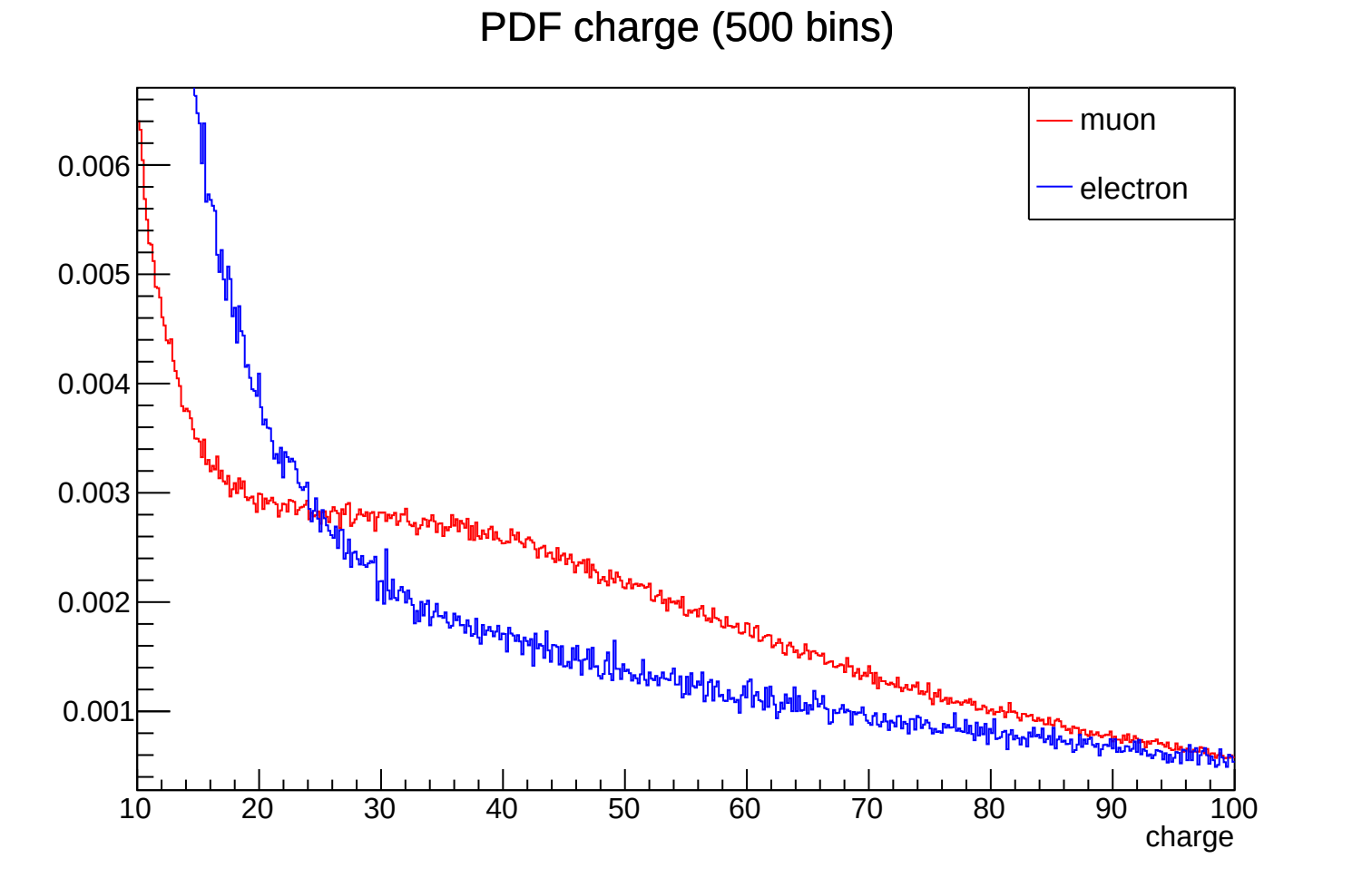
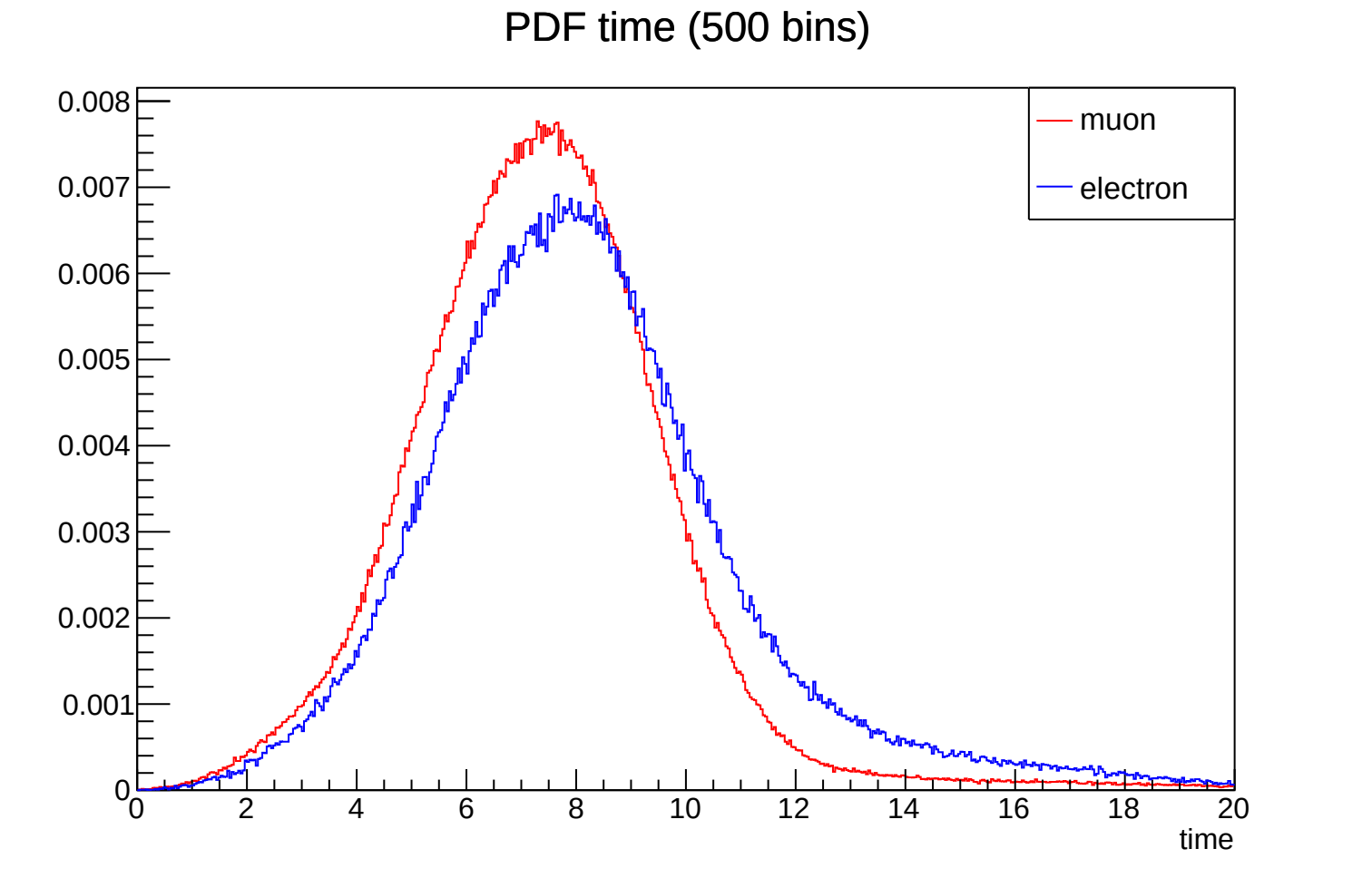
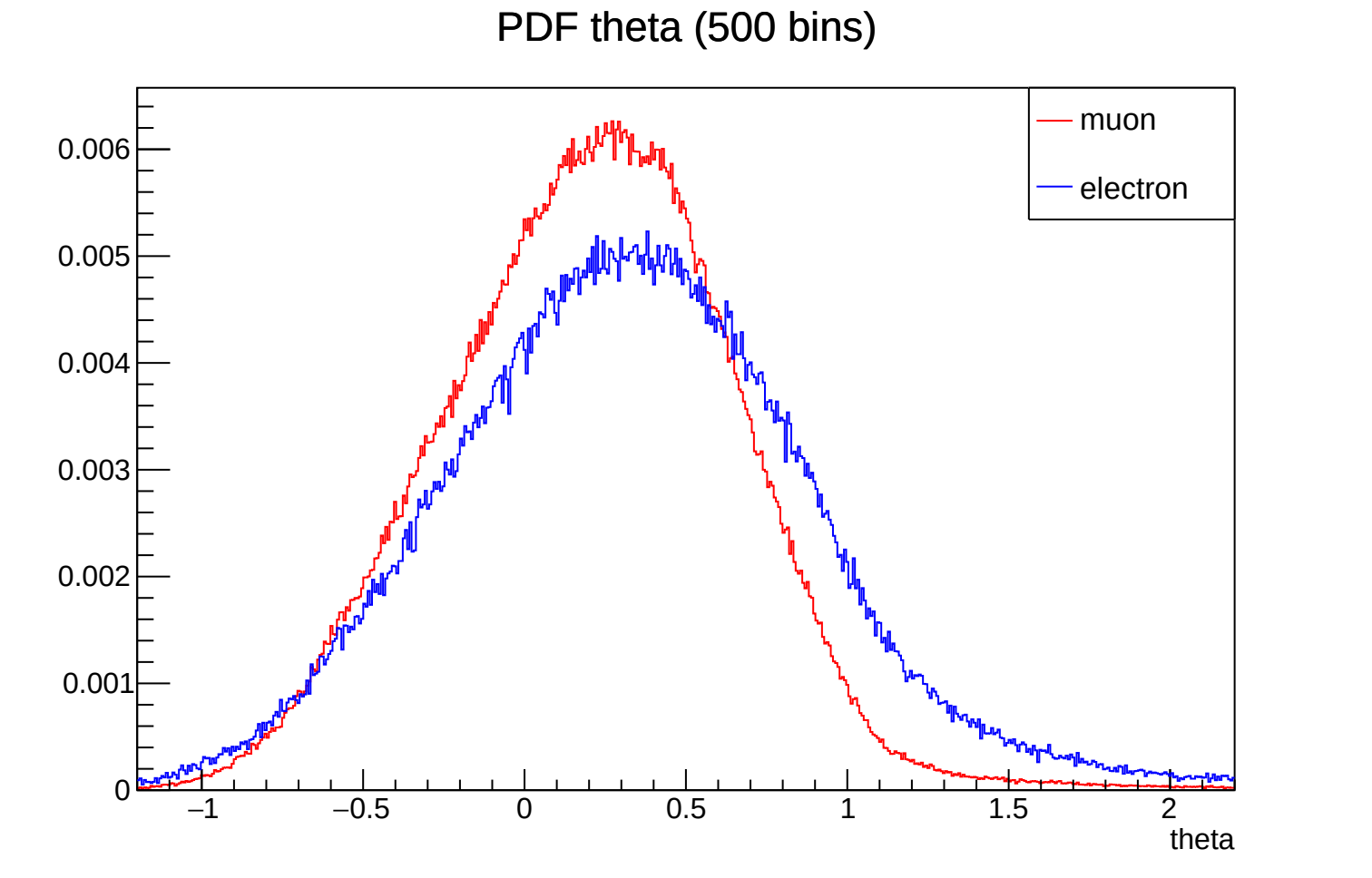
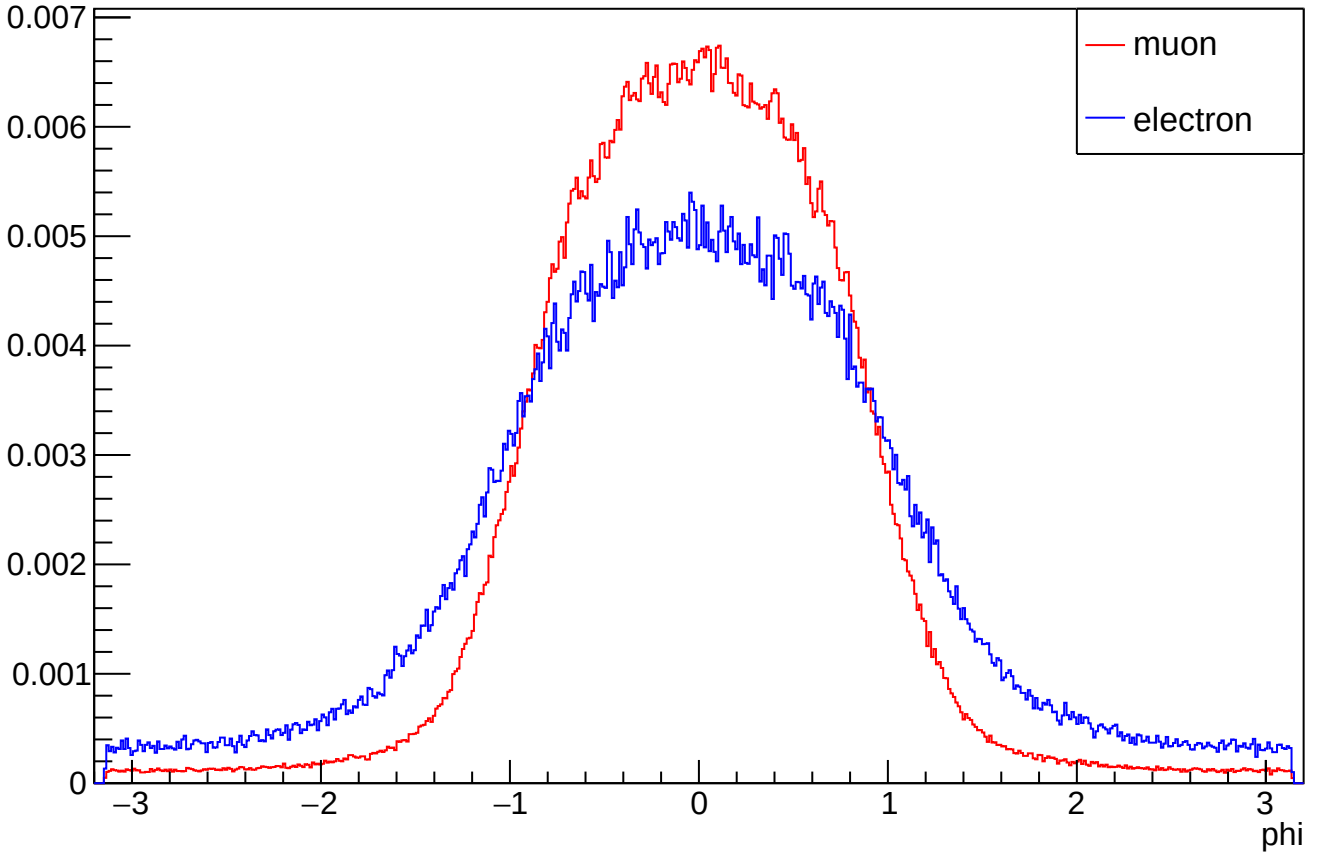
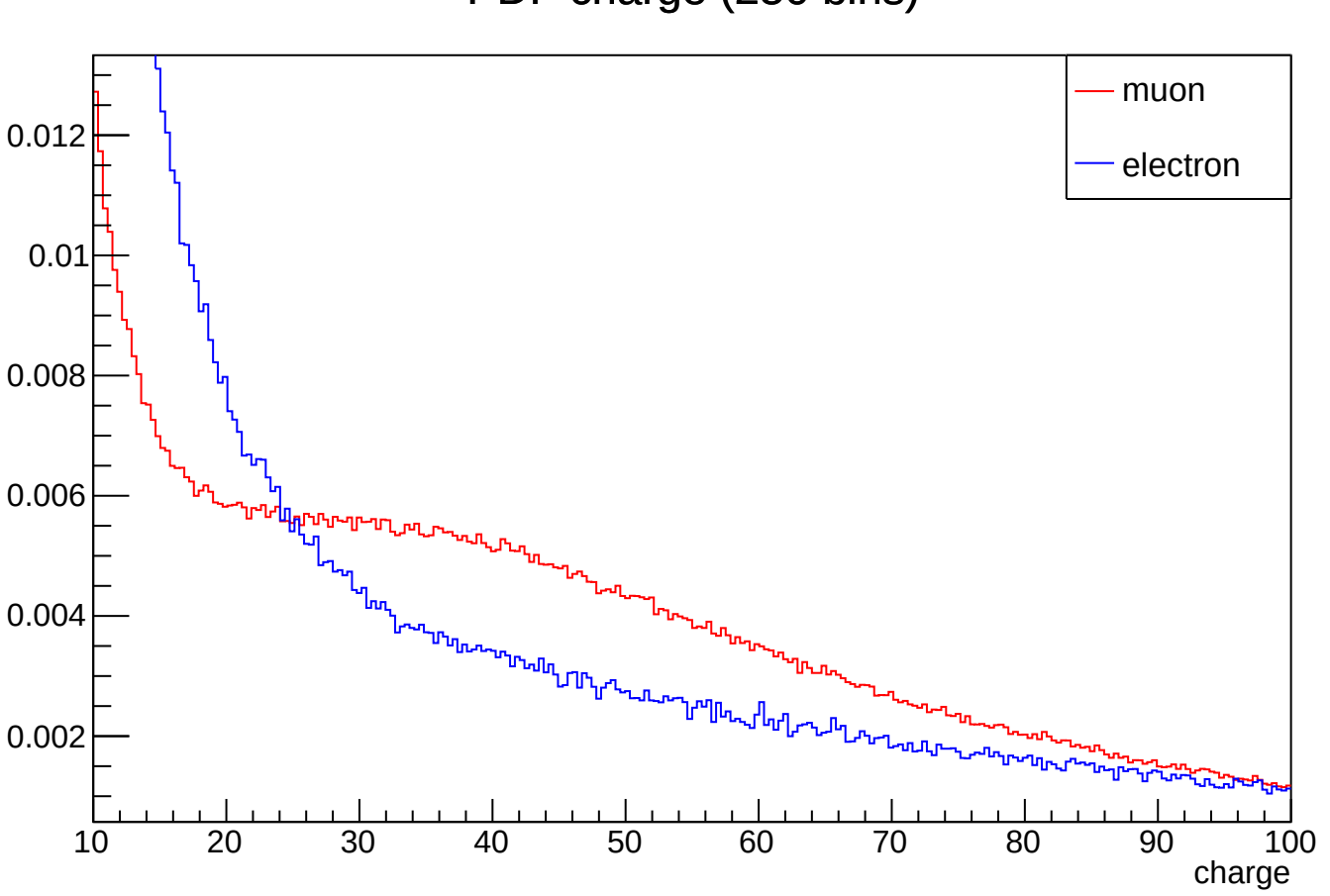
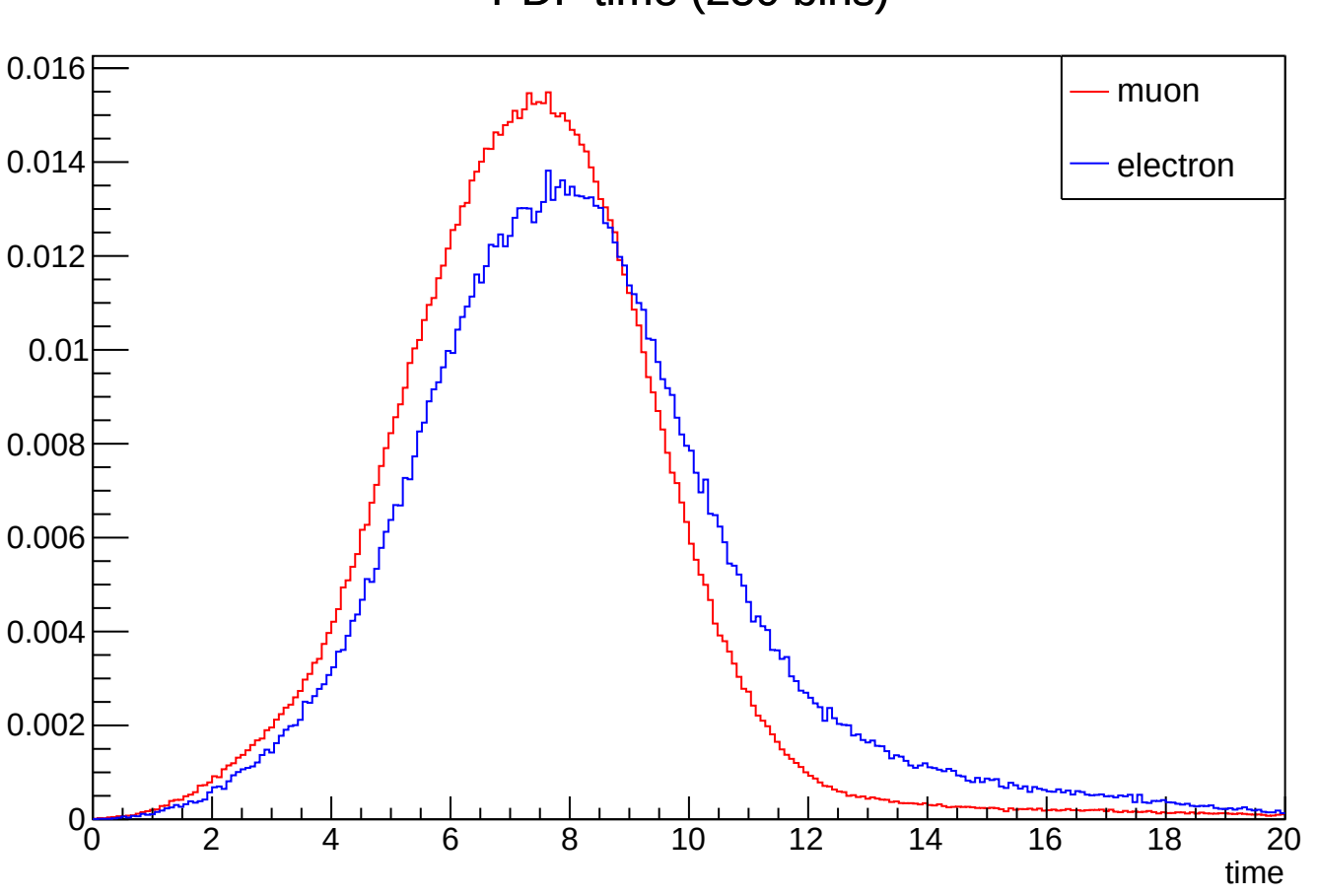

PDF charge (500 bins)
muon
electron
0.006
0.005
0.004
0.003
0.002
0.001
10
20
30
40
50
60
70
80
90
100
charge

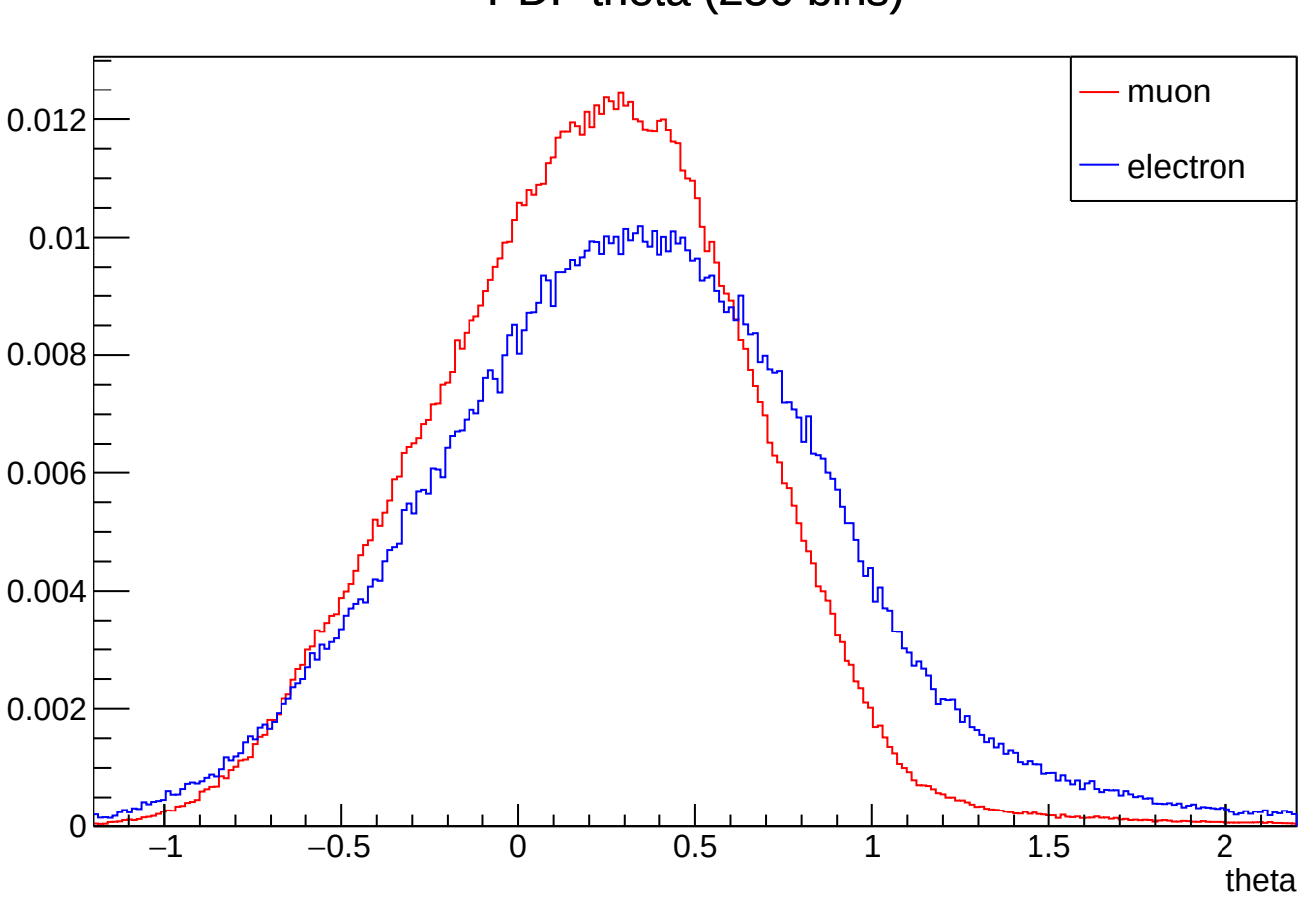

PDF time (500 bins)
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
0
2
4
6
8
10
12
14
16
18
20
time
muon
electron

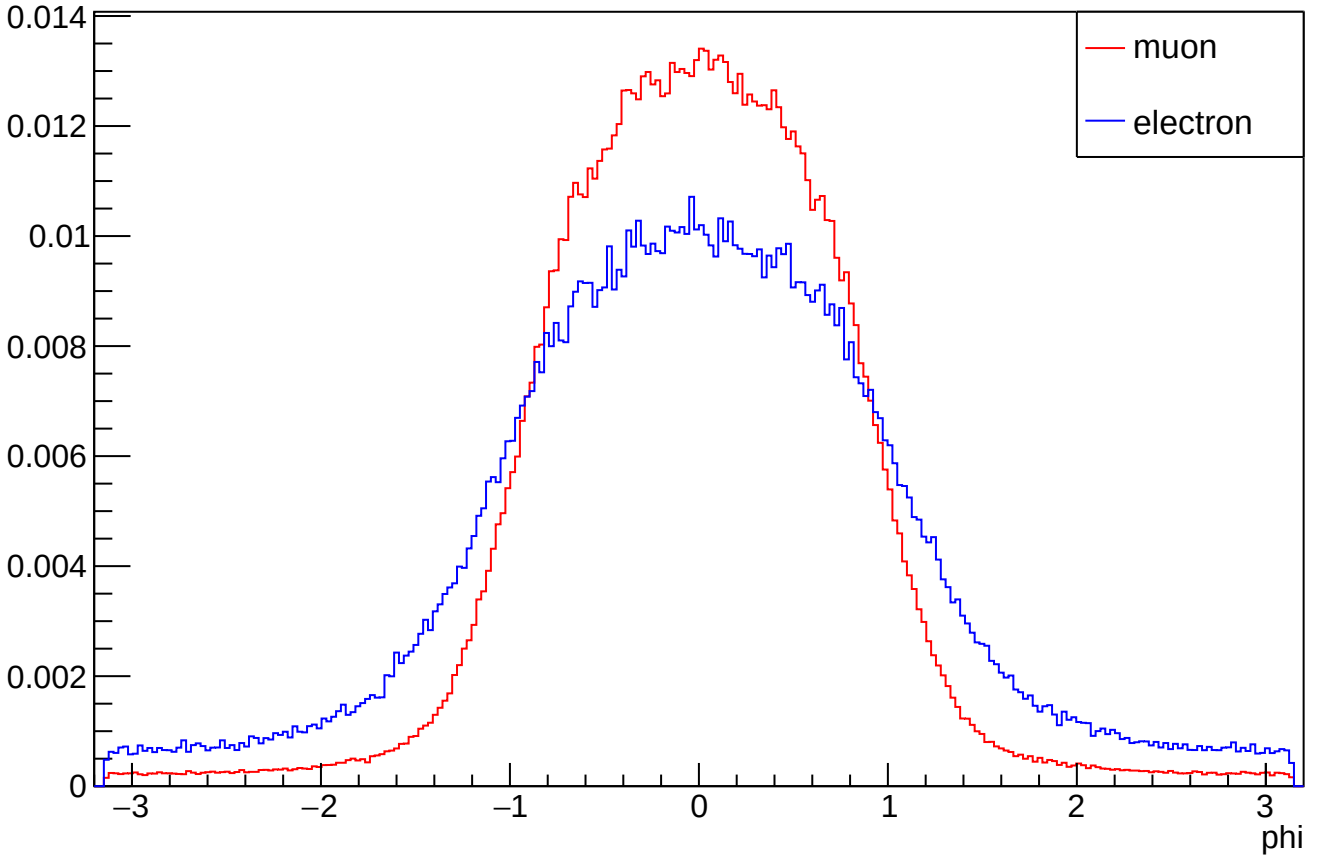

PDF theta (500 bins)
muon
electron
0.006
0.005
0.004
0.003
0.002
0.001
0
−1
−0.5
0
0.5
1
1.5
2
theta

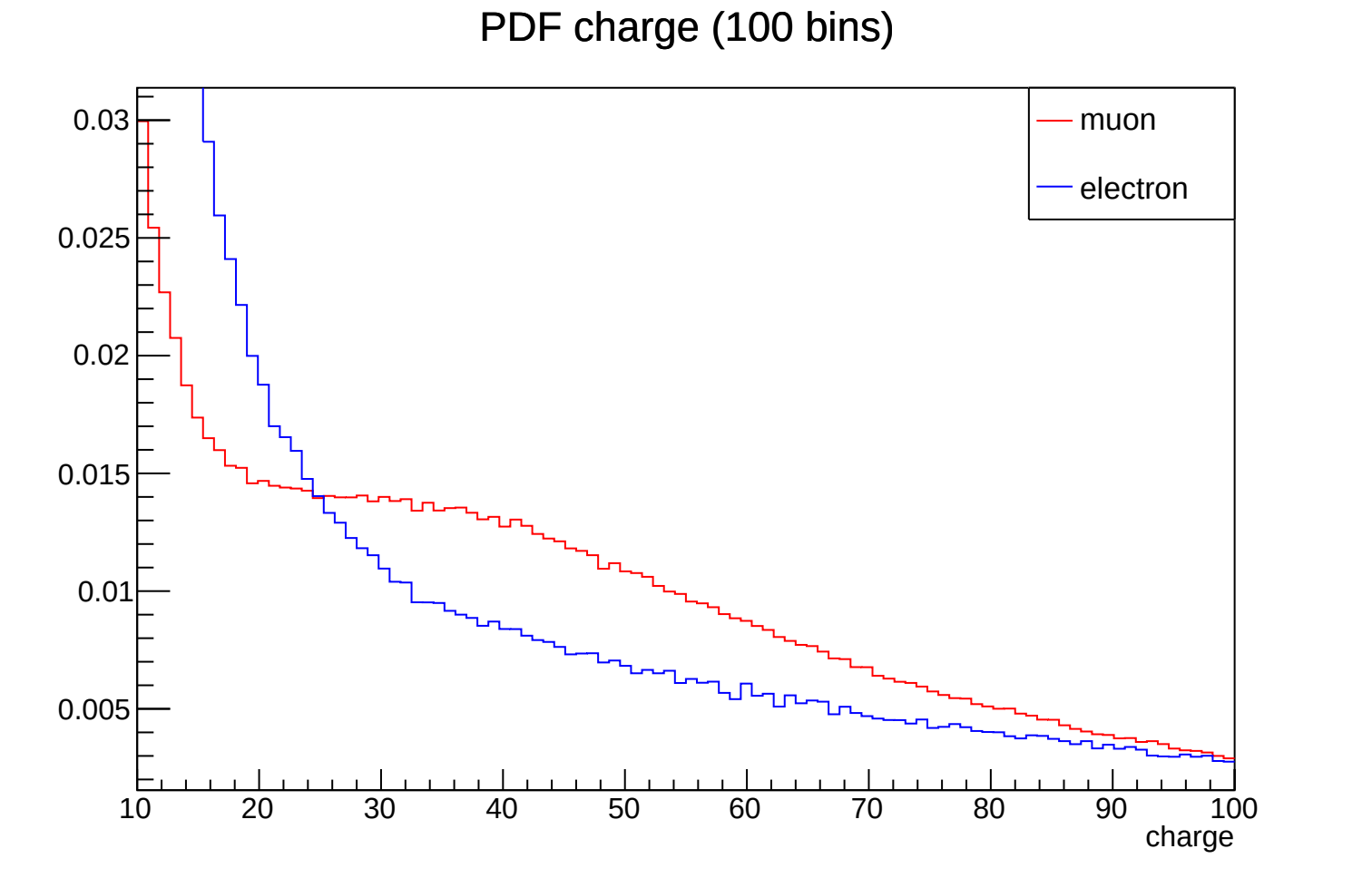

PDF phi (500 bins)
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
−3
−2
−1
0
1
2
3
phi
muon
electron

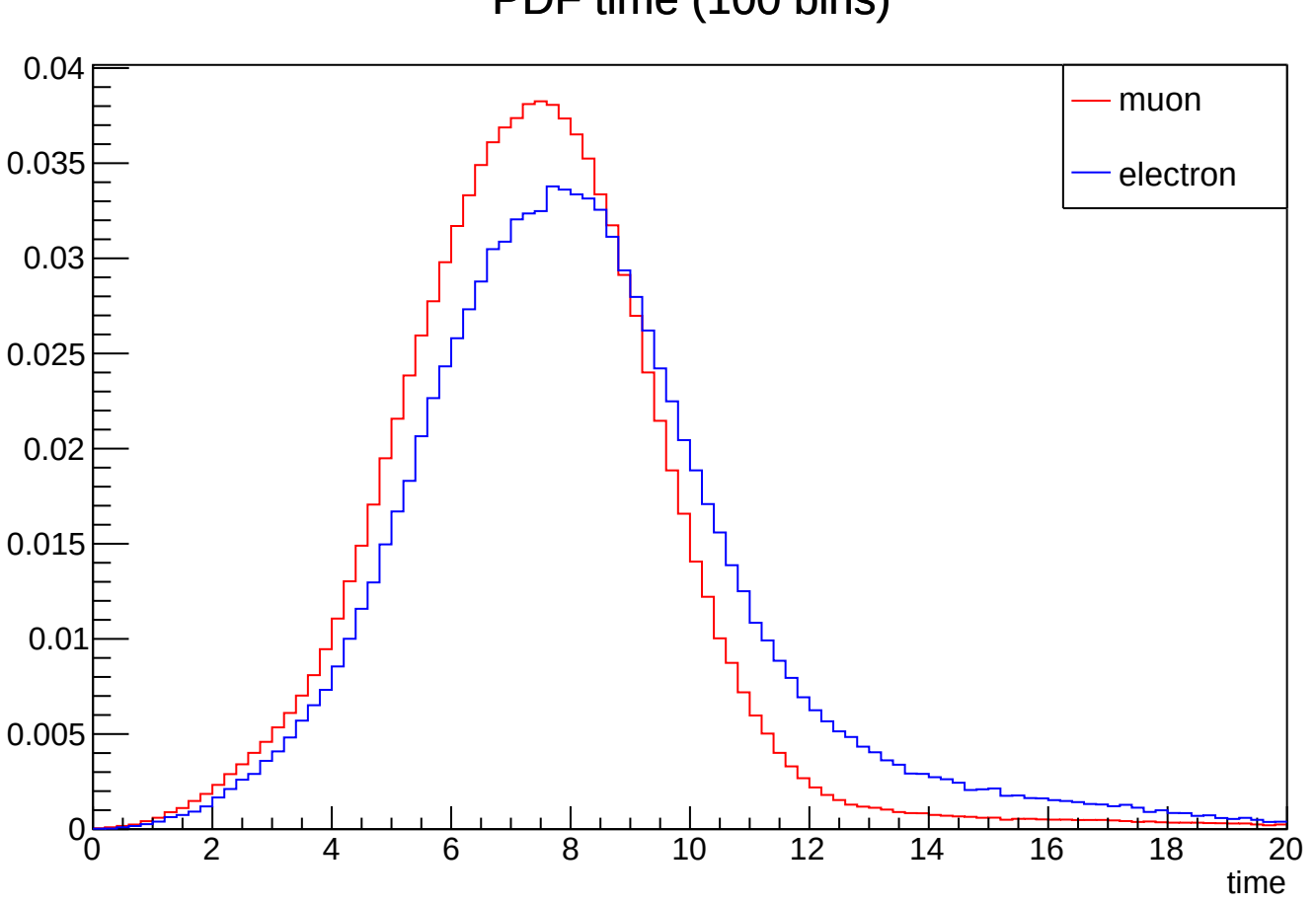

PDF charge (250 bins)
muon
electron
0.012
0.01
0.008
0.006
0.004
0.002
10
20
30
40
50
60
70
80
90
100
charge

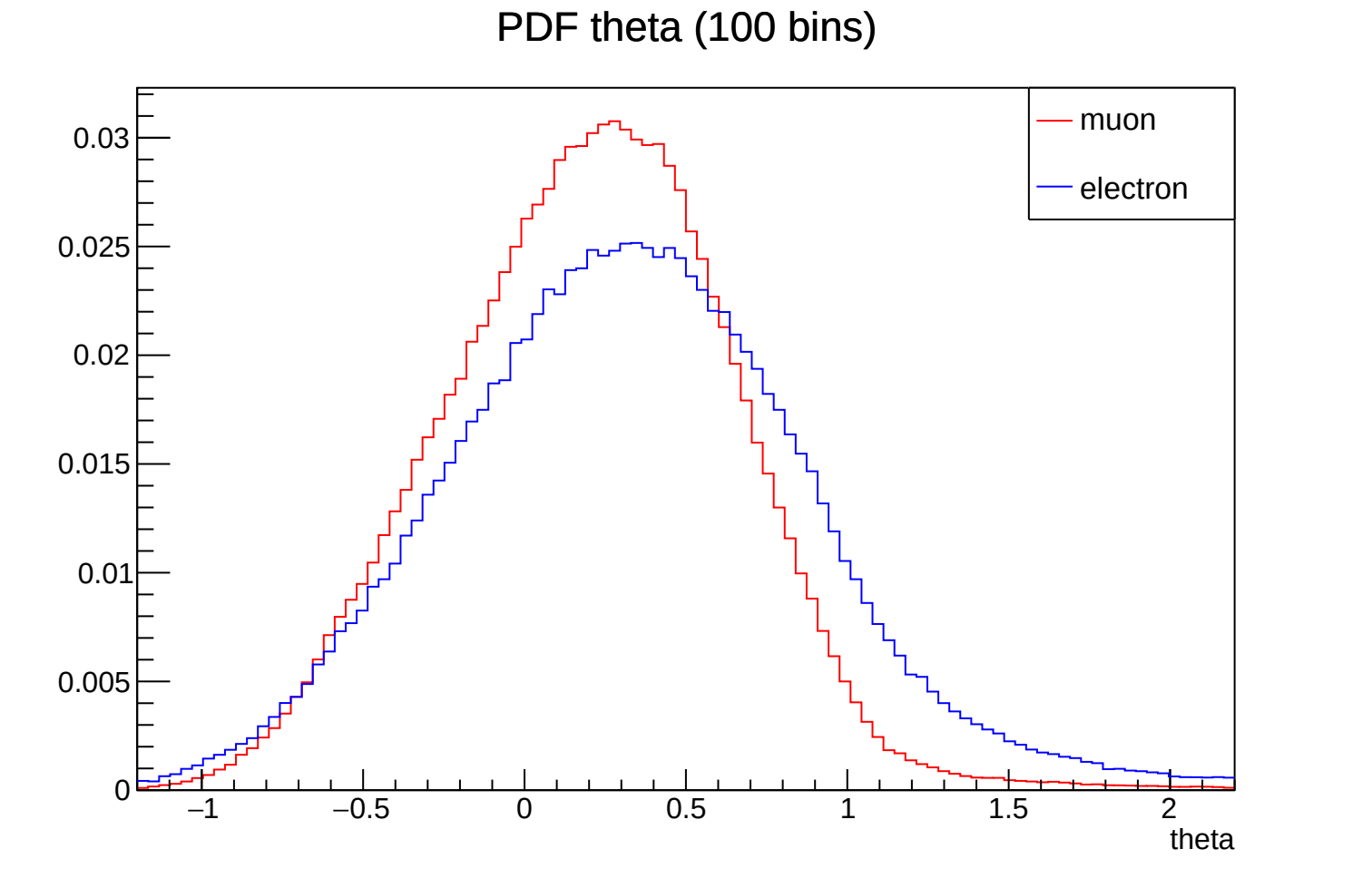

PDF time (250 bins)
muon
electron
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0
2
4
6
8
10
12
14
16
18
20
time

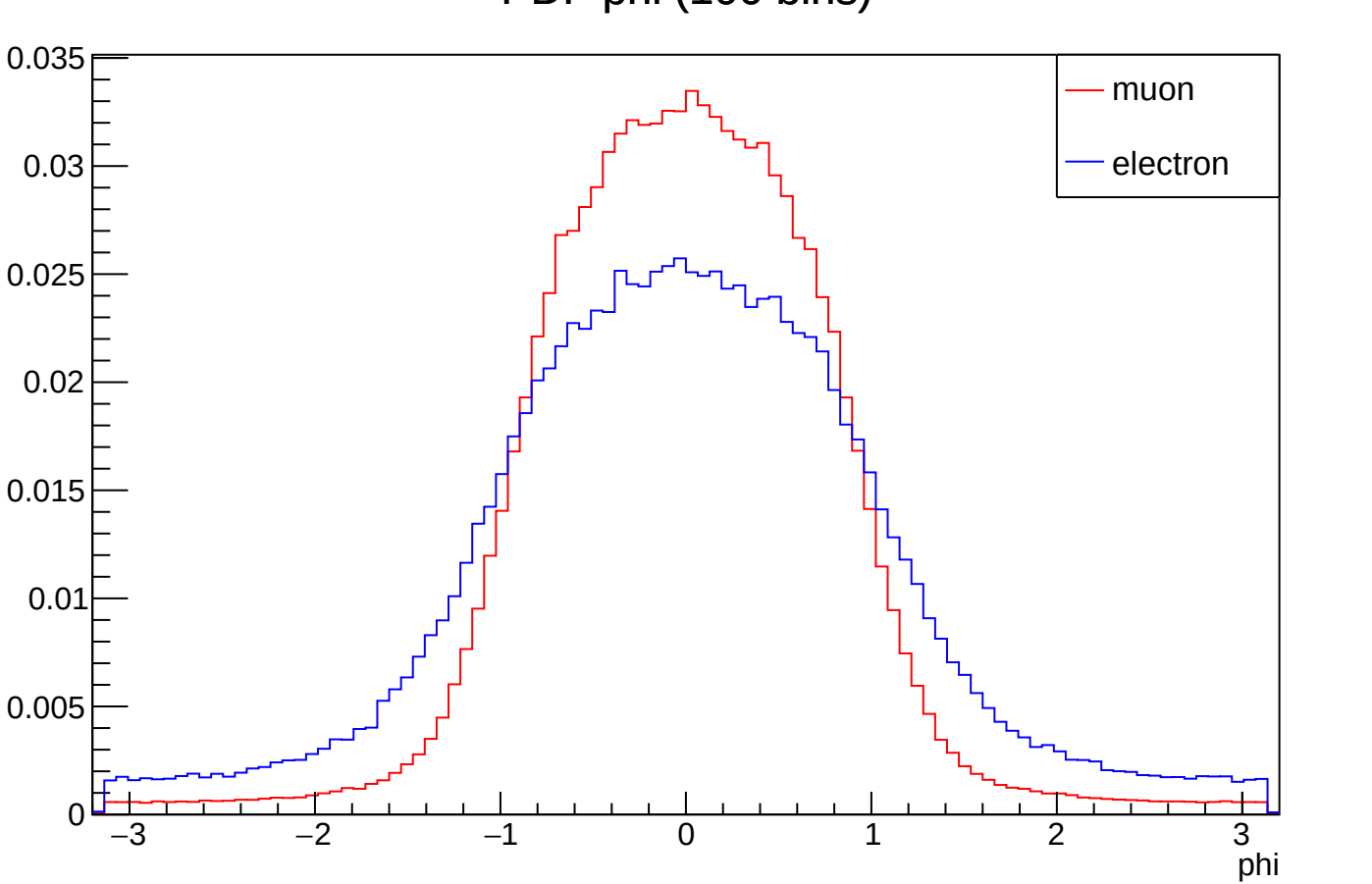

PDF theta (250 bins)
muon
electron
0.012
0.01
0.008
0.006
0.004
0.002
0
−1
−0.5
0
0.5
1
1.5
2
theta

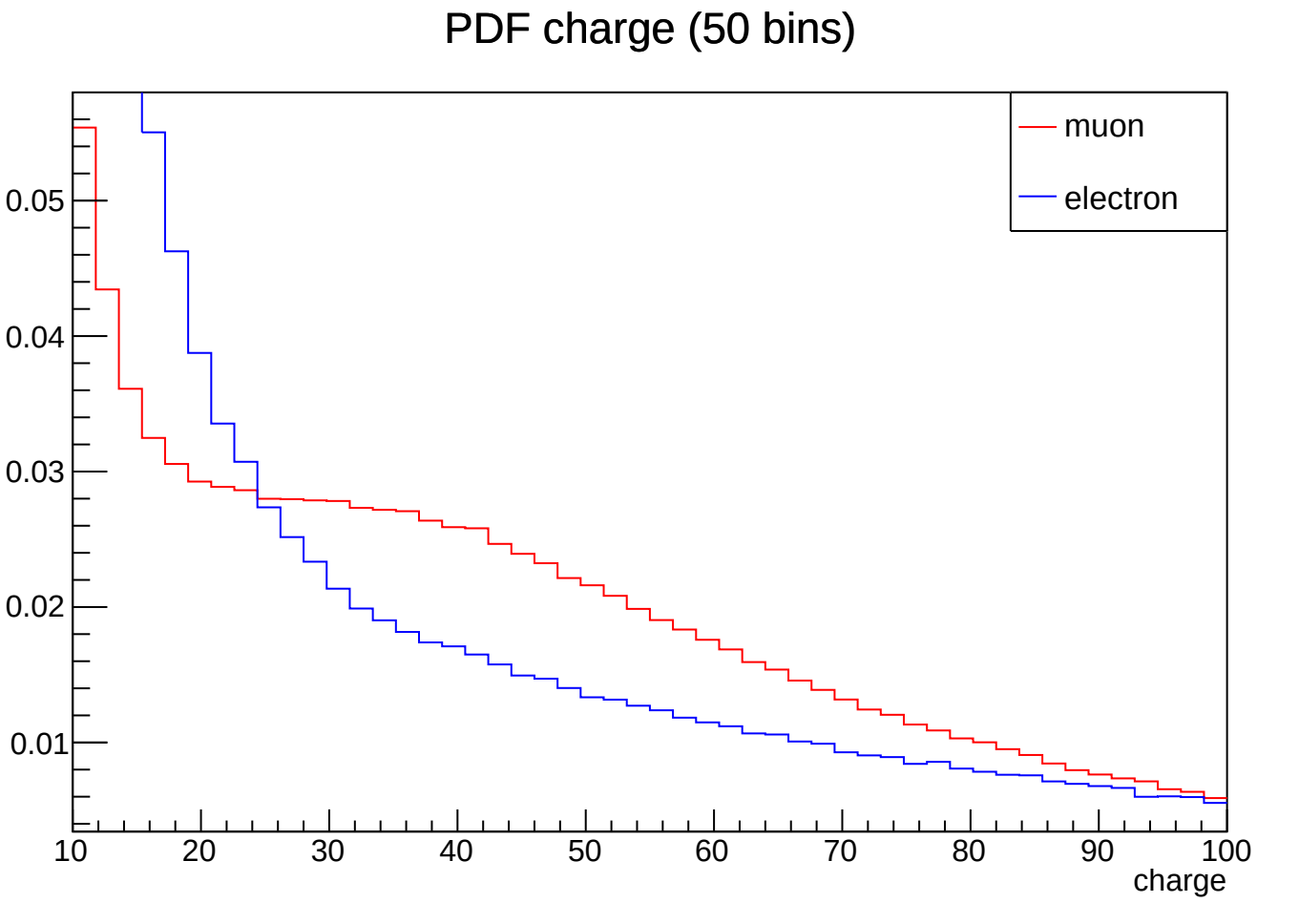

PDF phi (250 bins)
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
−3
−2
−1
0
1
2
3
phi
muon
electron

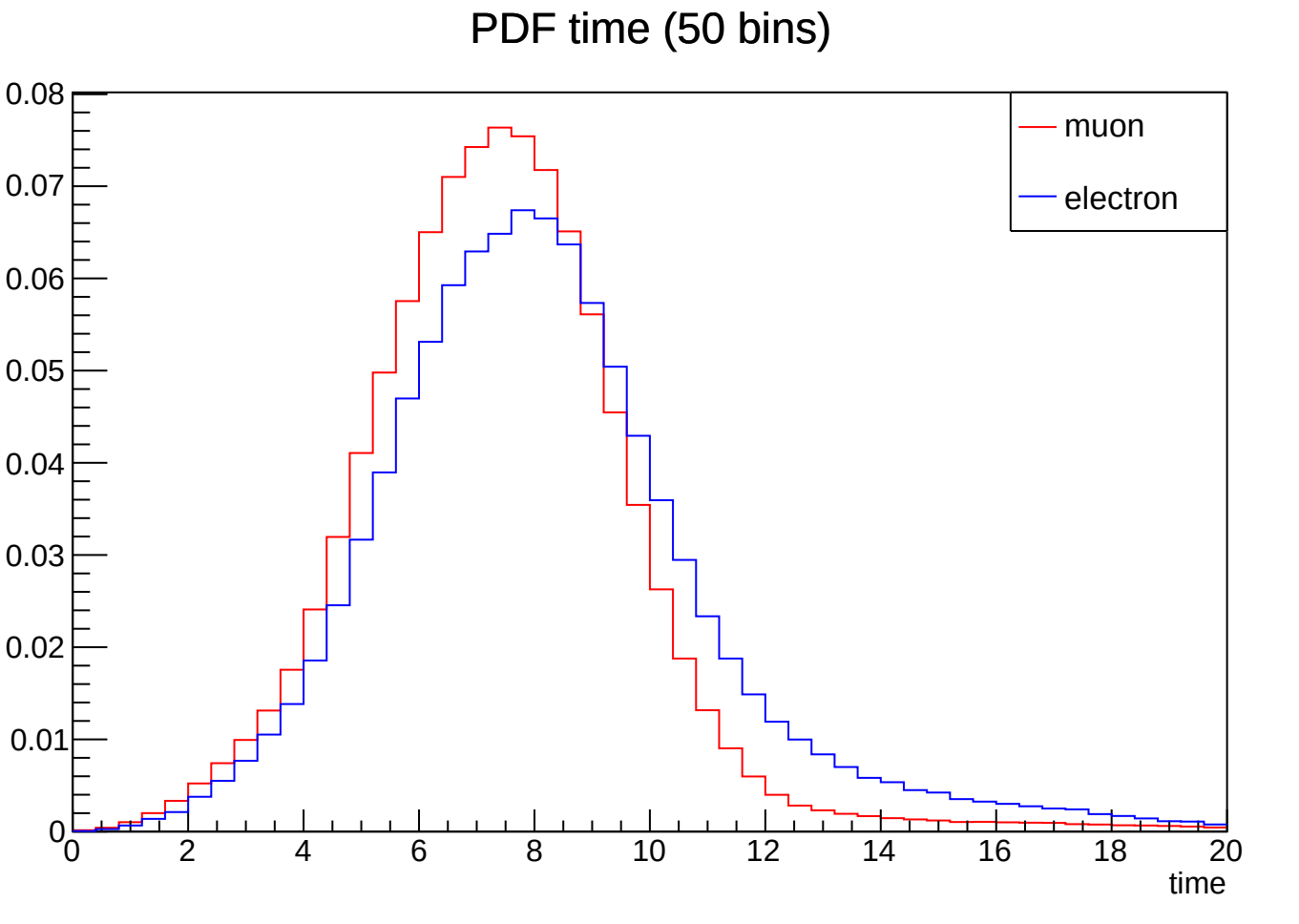

PDF charge (100 bins)
muon
electron
0.03
0.025
0.02
0.015
0.01
0.005
10
20
30
40
50
60
70
80
90
100
charge

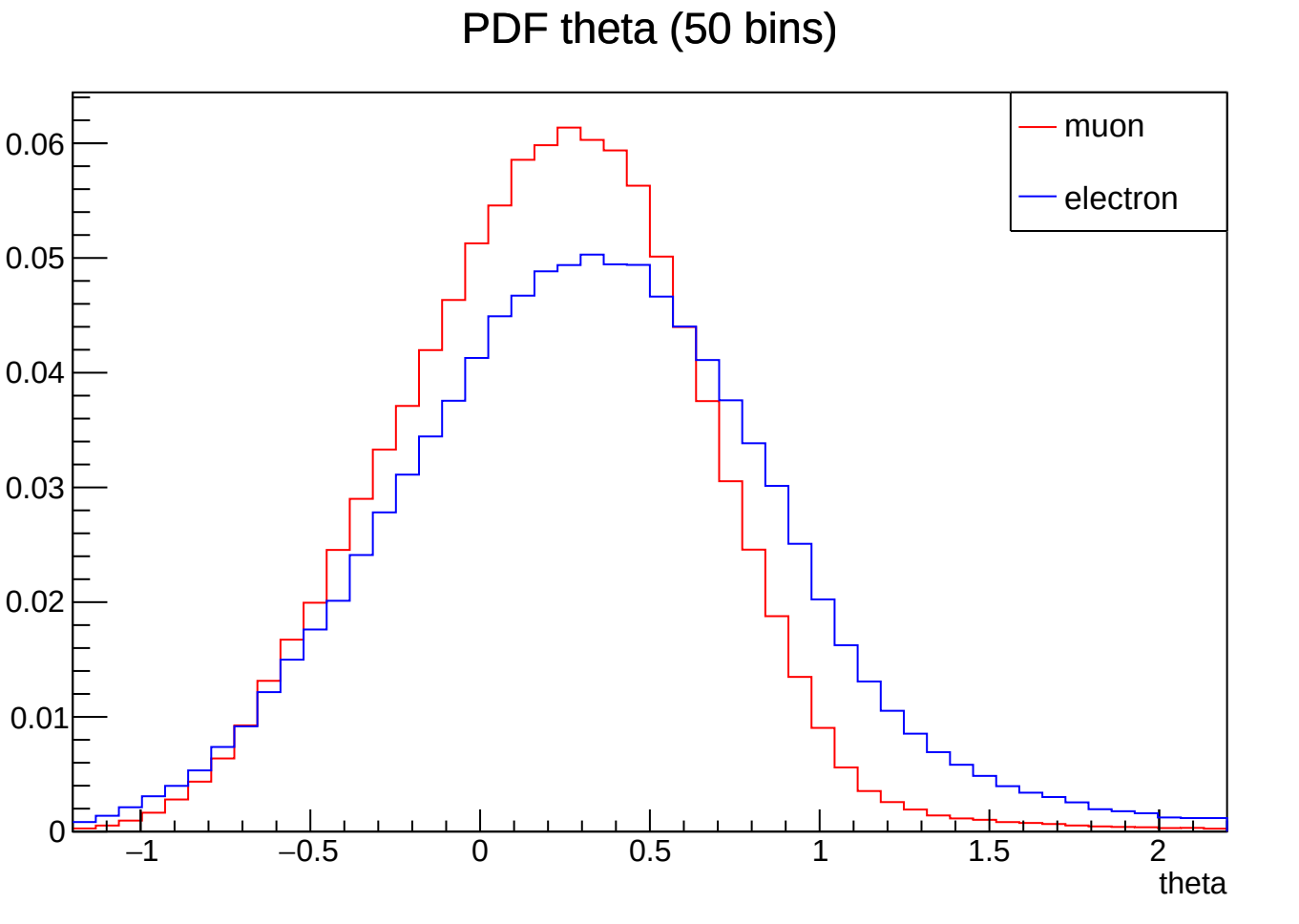

PDF time (100 bins)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
2
4
6
8
10
12
14
16
18
20
time
muon
electron

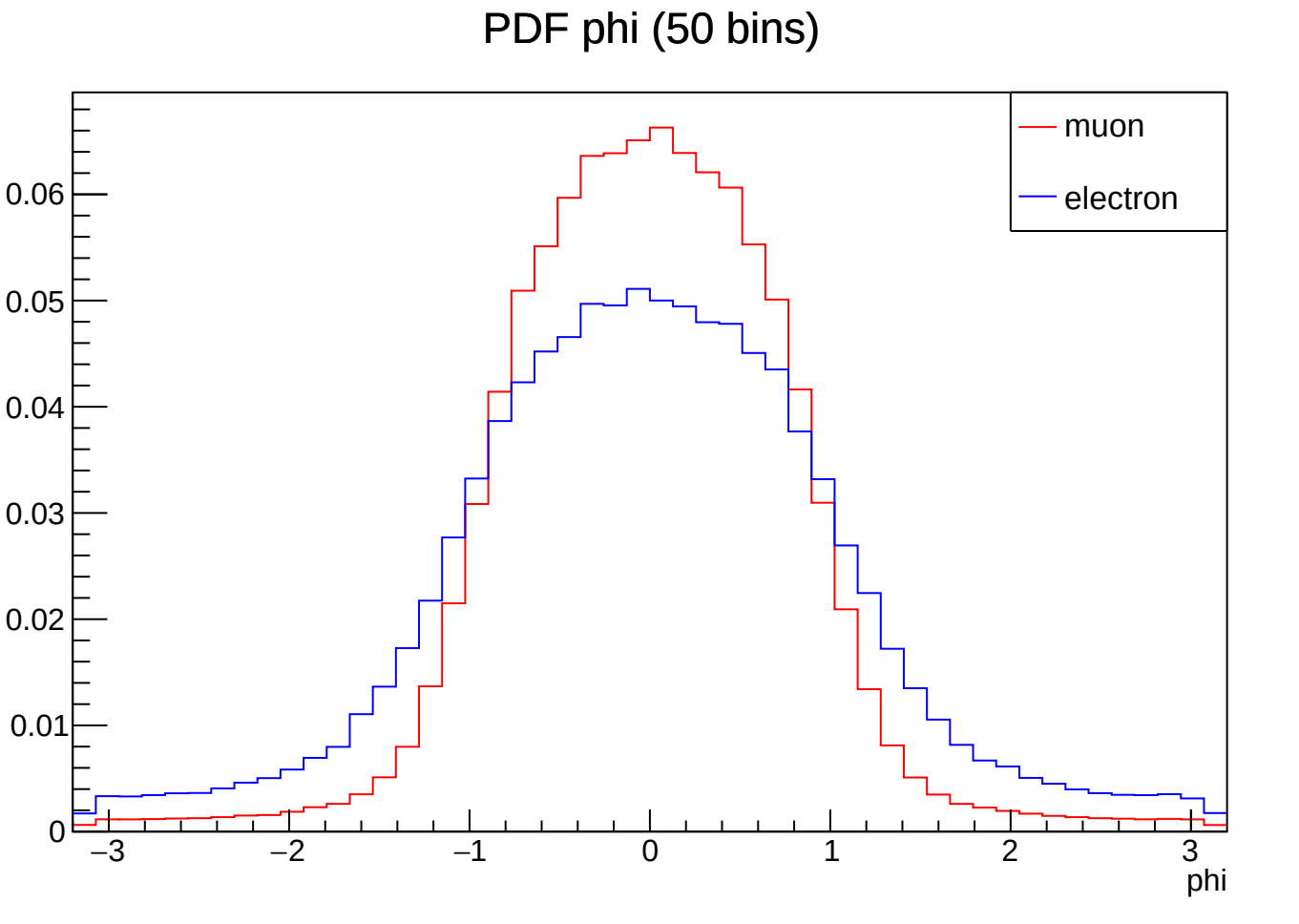

PDF theta (100 bins)
muon
electron
0.03
0.025
0.02
0.015
0.01
0.005
0
−1
−0.5
0
0.5
1
1.5
2
theta

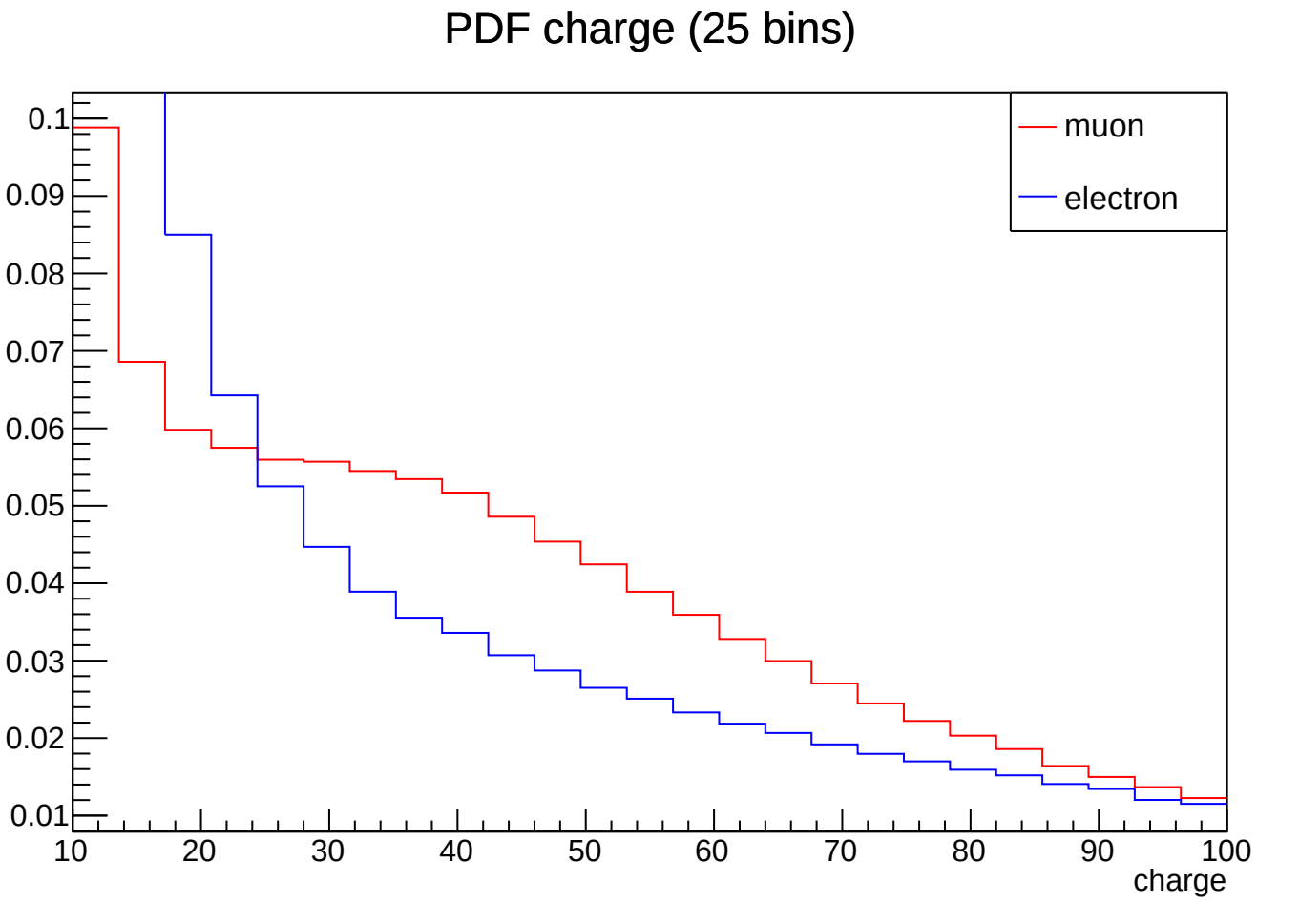

PDF phi (100 bins)
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
−3
−2
−1
0
1
2
3
phi
muon
electron

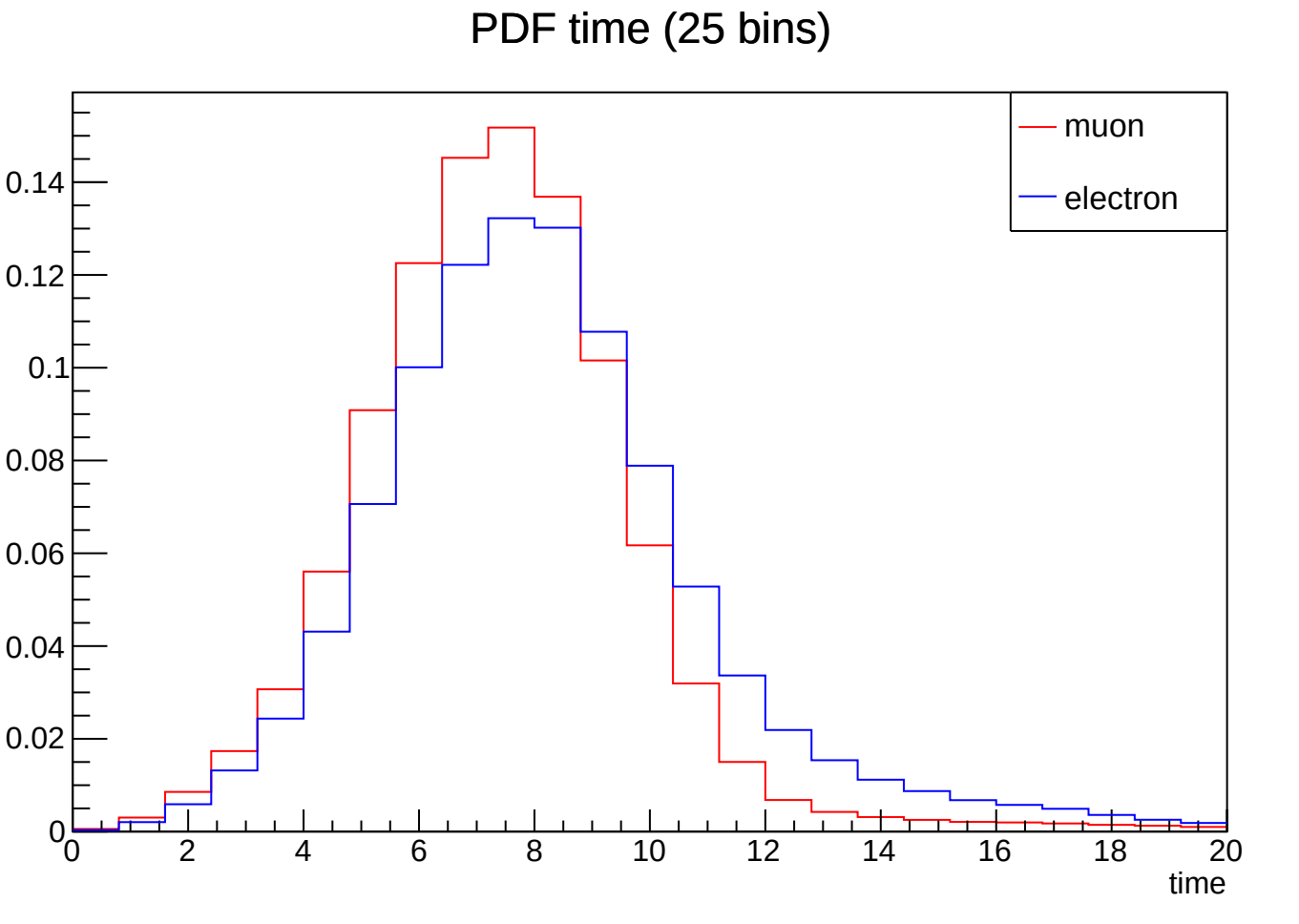

PDF charge (50 bins)
muon
electron
0.05
0.04
0.03
0.02
0.01
10
20
30
40
50
60
70
80
90
100
charge

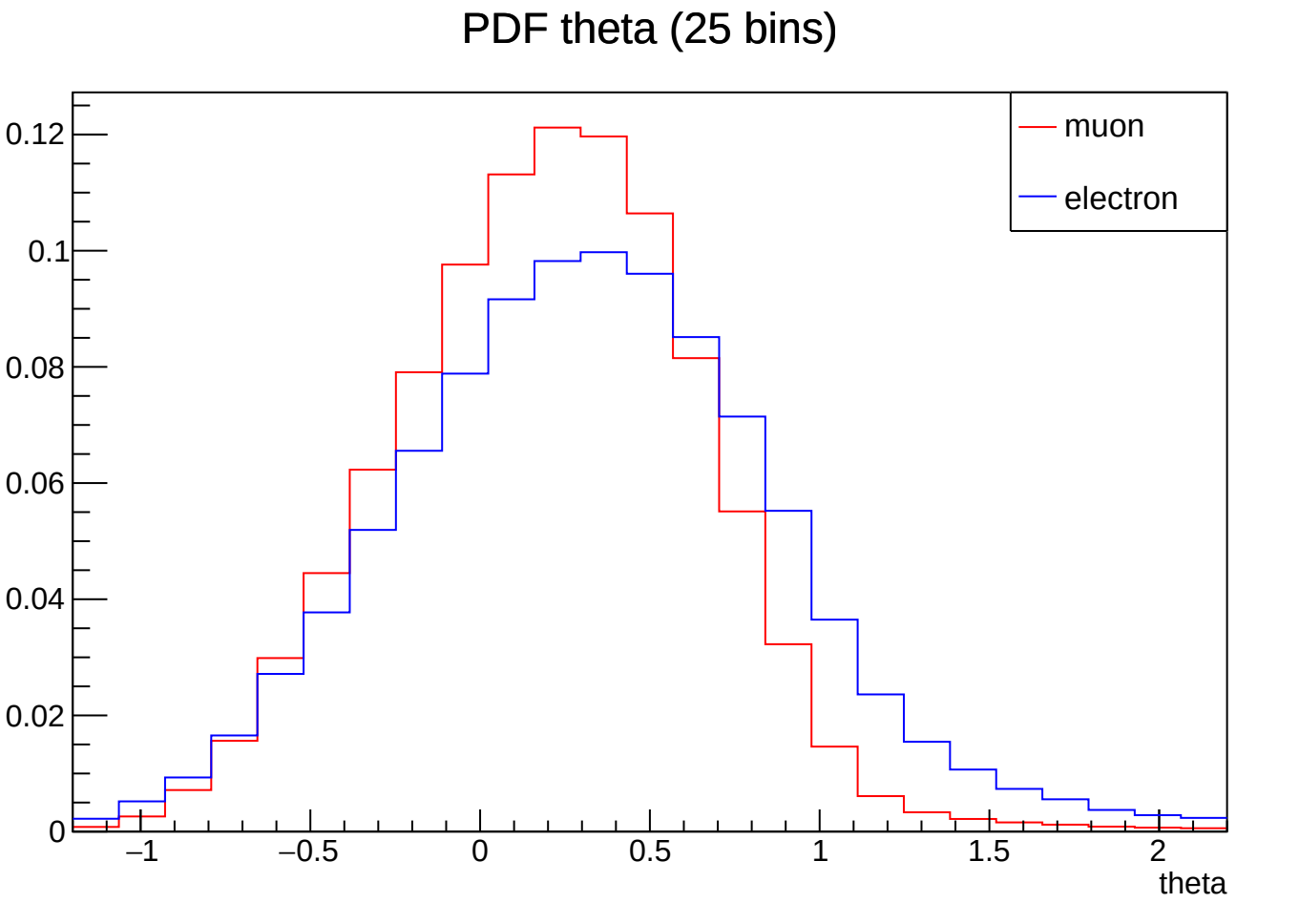

PDF time (50 bins)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
2
4
6
8
10
12
14
16
18
20
time
muon
electron

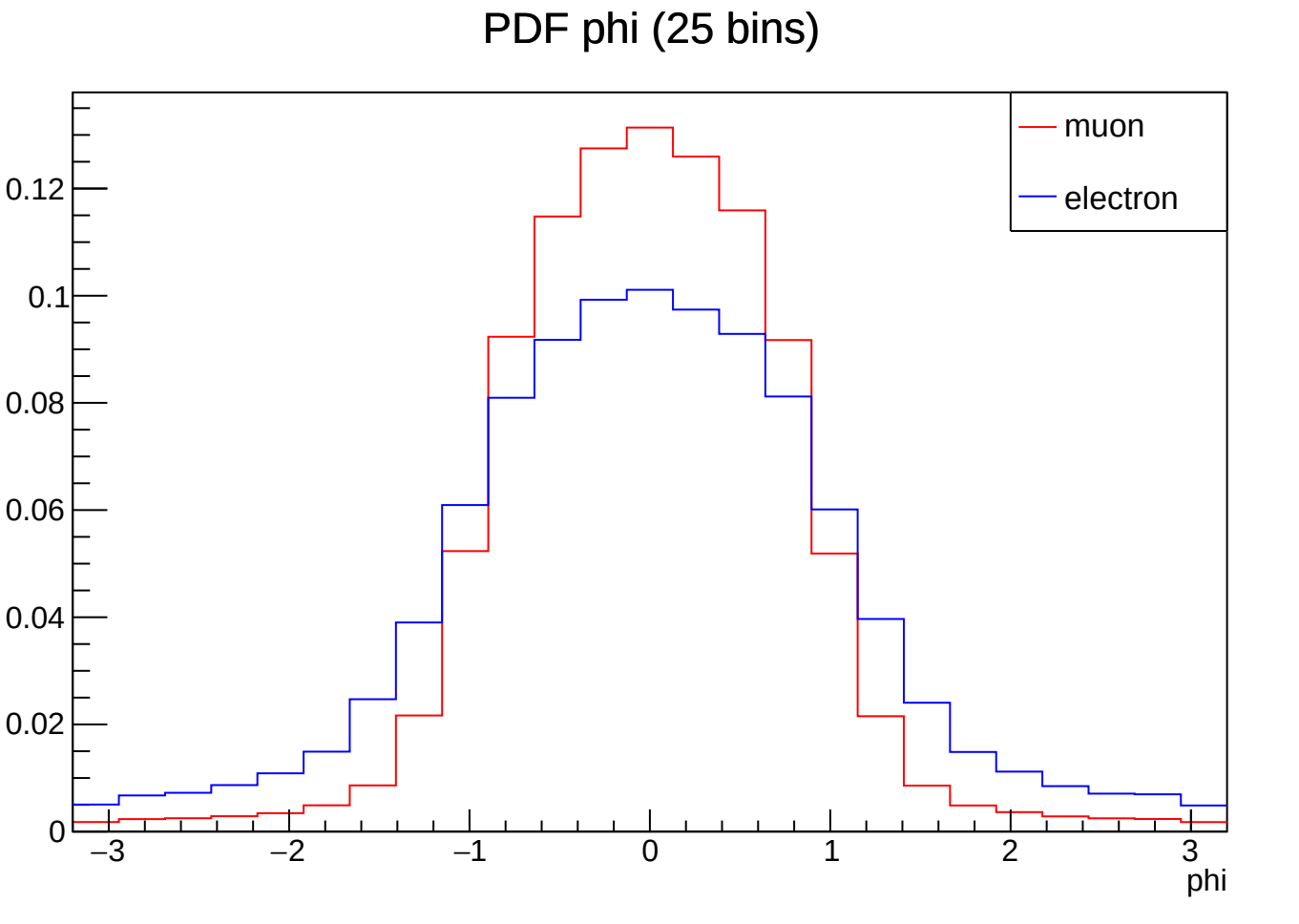

PDF theta (50 bins)
muon
electron
0.06
0.05
0.04
0.03
0.02
0.01
0
−1
−0.5
0
0.5
1
1.5
2
theta

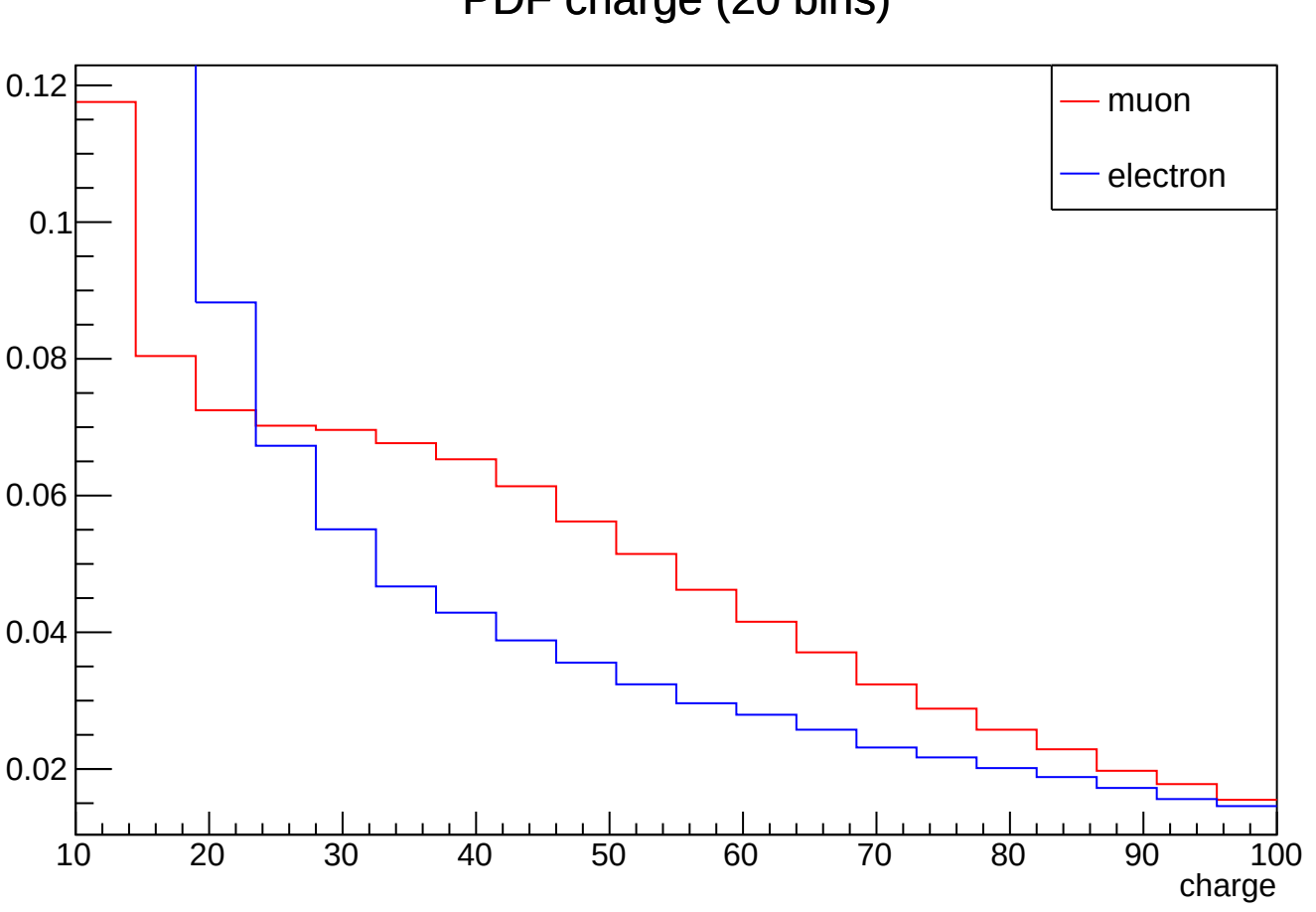

PDF phi (50 bins)
muon
electron
0.06
0.05
0.04
0.03
0.02
0.01
0
−3
−2
−1
0
1
2
3
phi

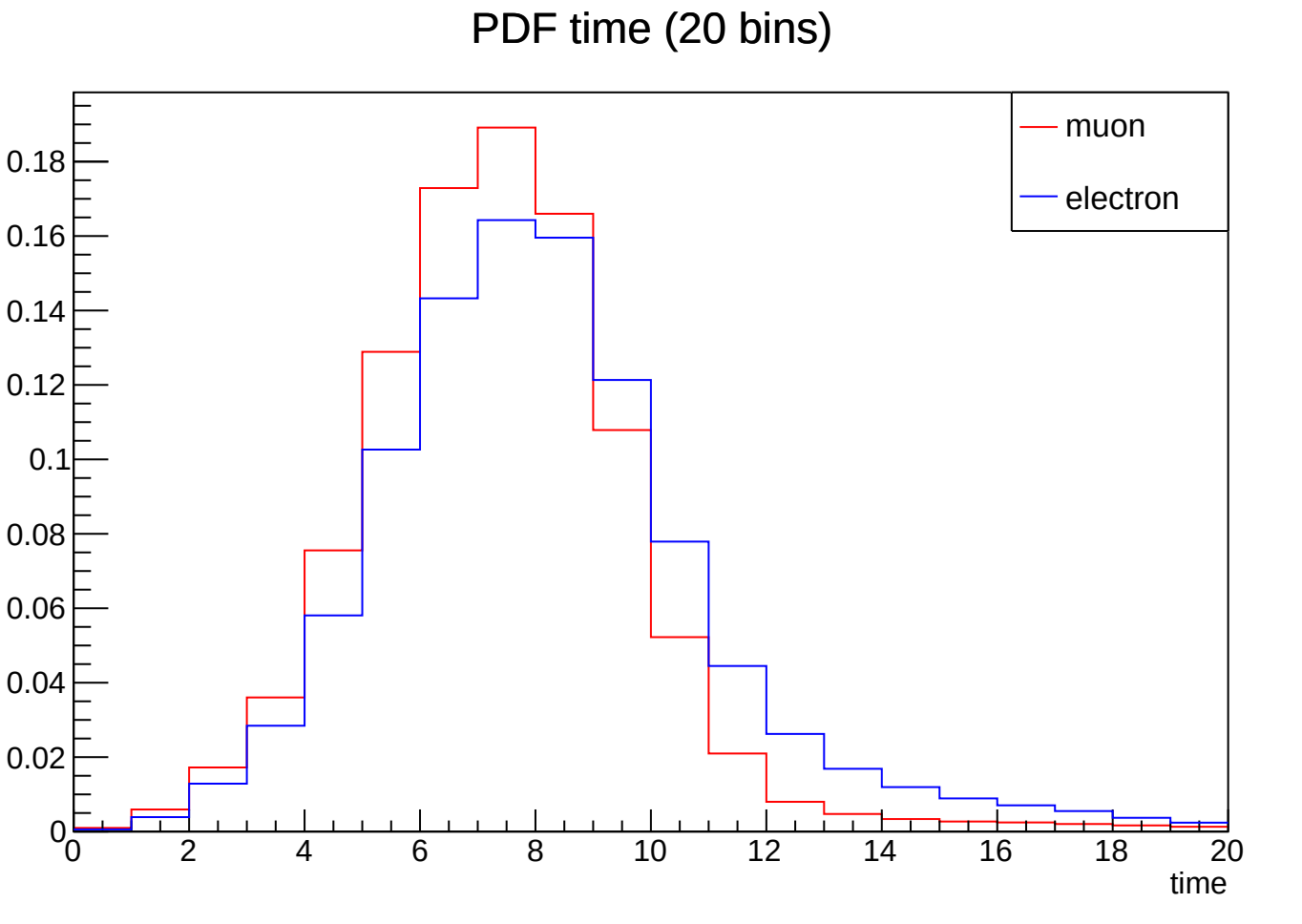

PDF charge (25 bins)
muon
electron
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
10
20
30
40
50
60
70
80
90
100
charge

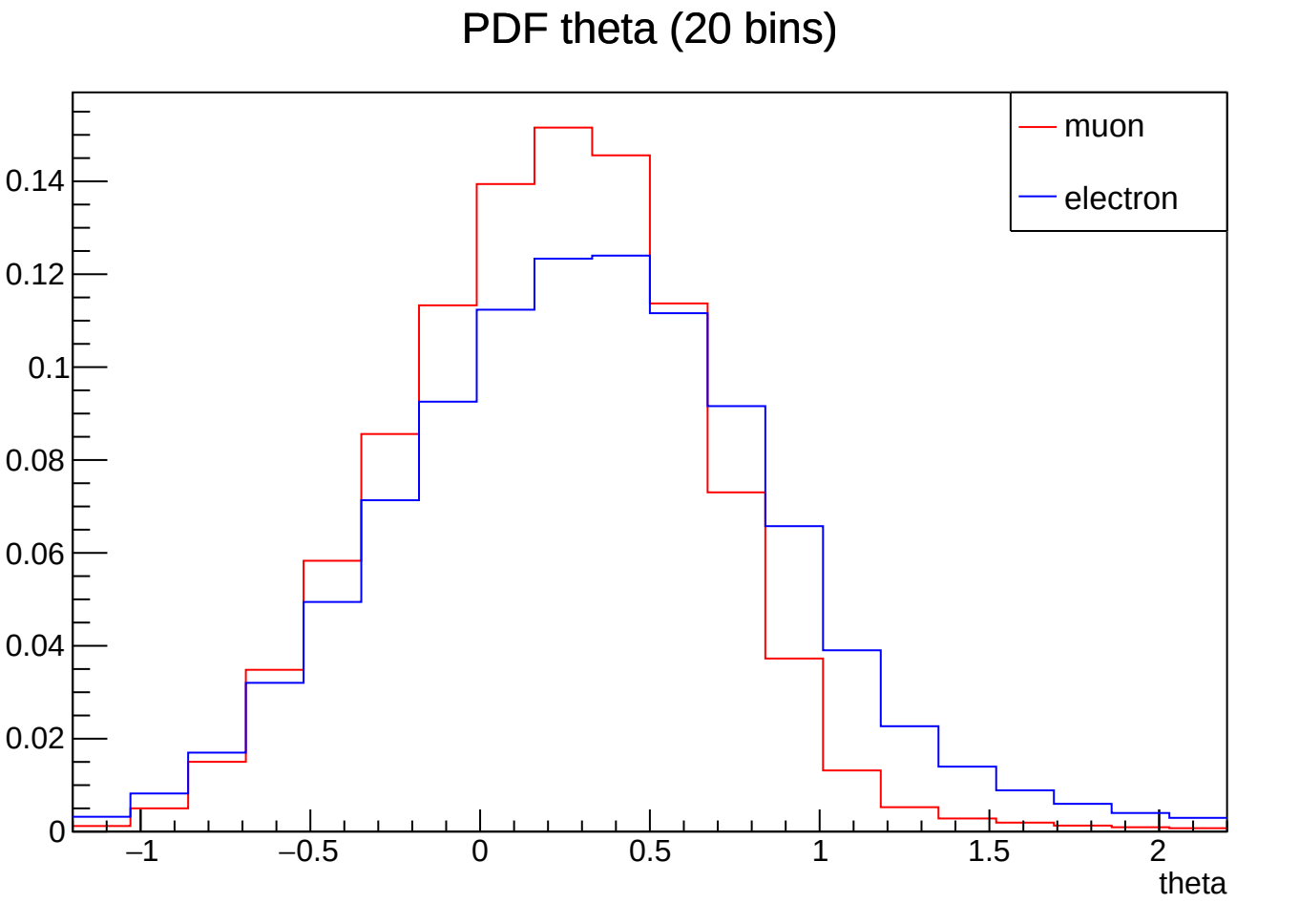

PDF time (25 bins)
muon
electron
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
2
4
6
8
10
12
14
16
18
20
time

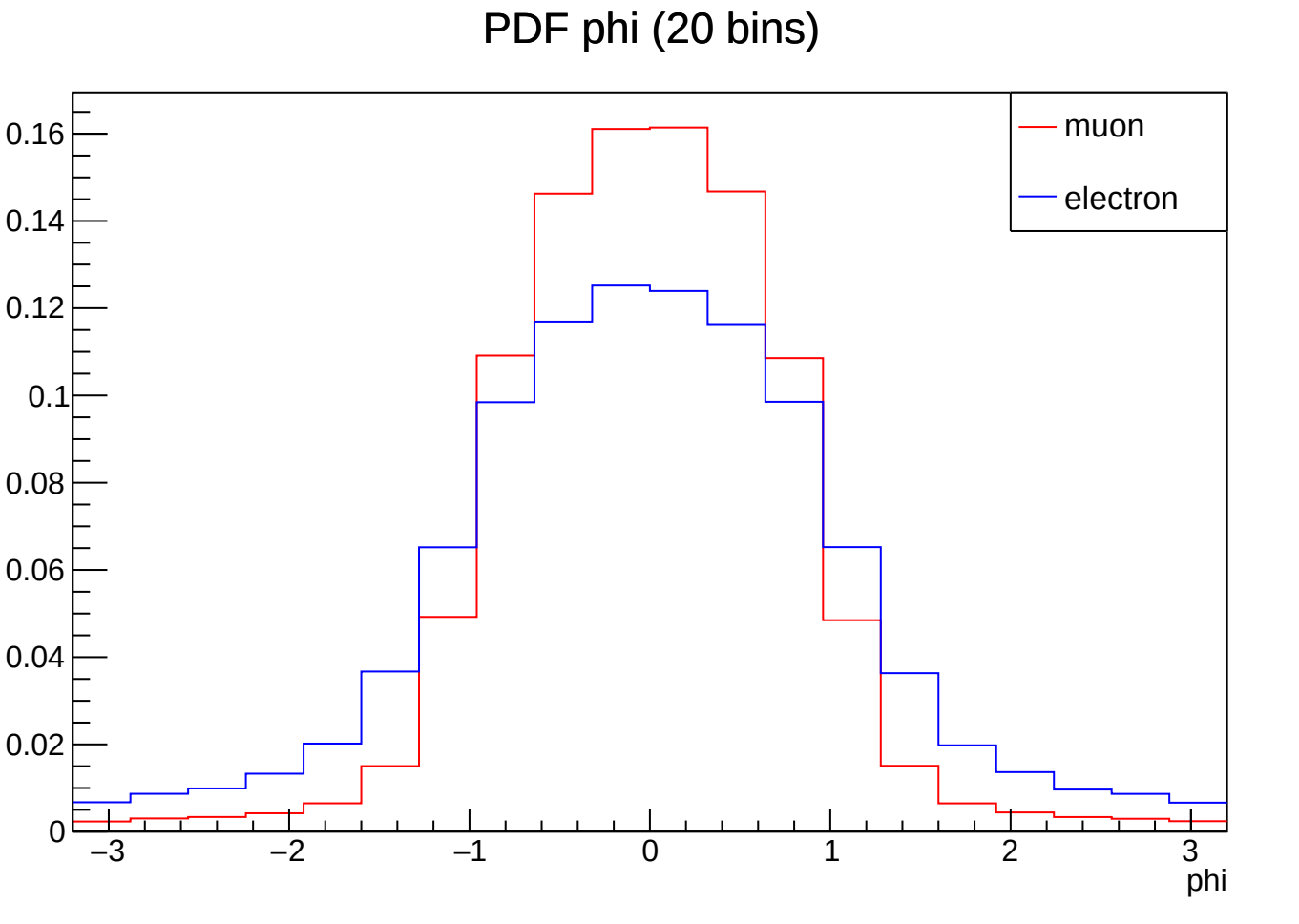

PDF theta (25 bins)
0.12
0.1
0.08
0.06
0.04
0.02
0
–1
–0.5
0
0.5
1
1.5
2
theta
muon
electron

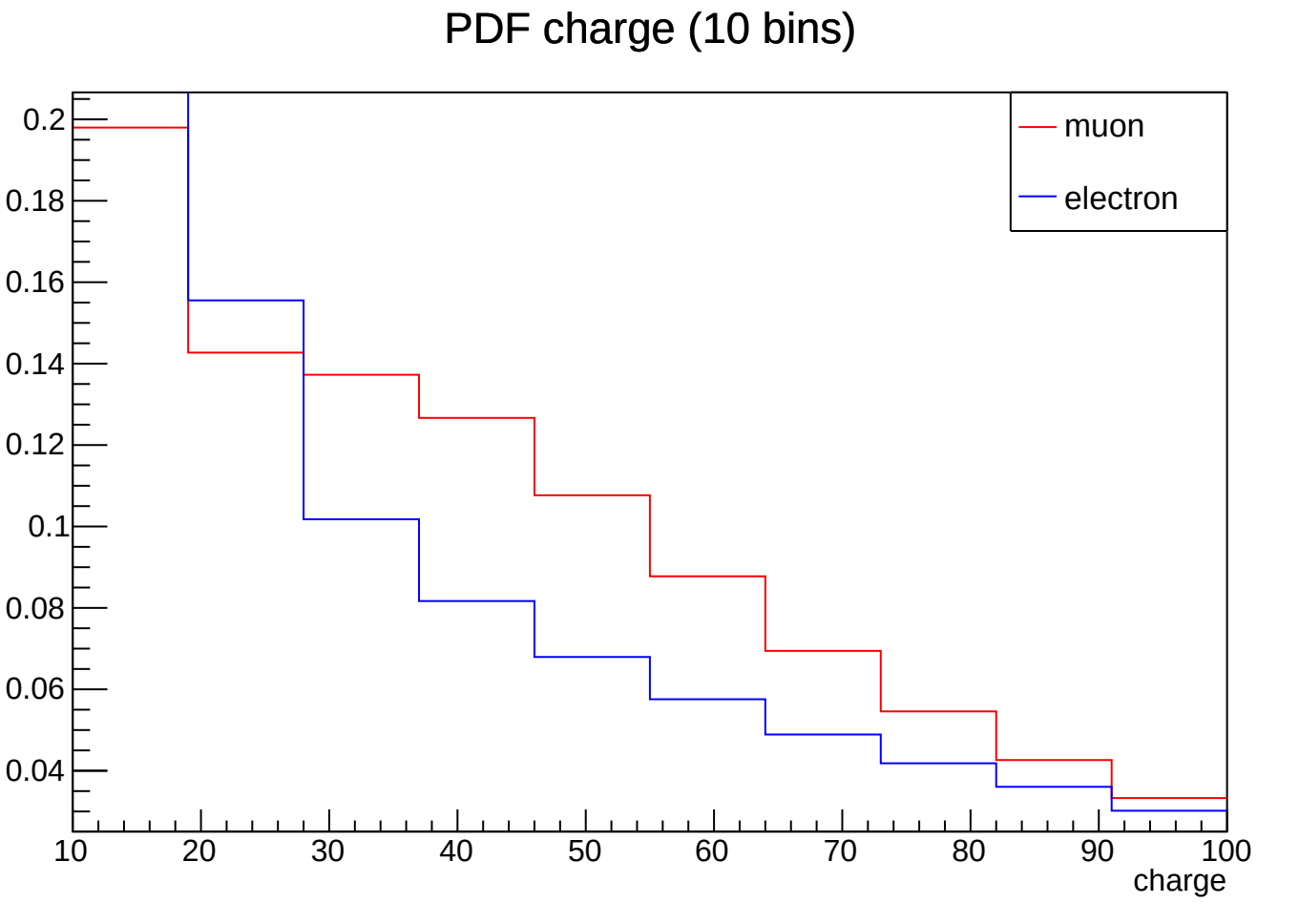

PDF phi (25 bins)
muon
electron
0.12
0.1
0.08
0.06
0.04
0.02
0
−3
−2
−1
0
1
2
3
phi


PDF charge (20 bins)
0.12
0.1
0.08
0.06
0.04
0.02
10
20
30
40
50
60
70
80
90
100
charge
muon
electron


PDF time (20 bins)
muon
electron
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
2
4
6
8
10
12
14
16
18
20
time


PDF theta (20 bins)
muon
electron
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
–1
–0.5
0
0.5
1
1.5
2
theta


PDF phi (20 bins)
muon
electron
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−3
−2
−1
0
1
2
3
phi


PDF charge (10 bins)
muon
electron
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0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
10
20
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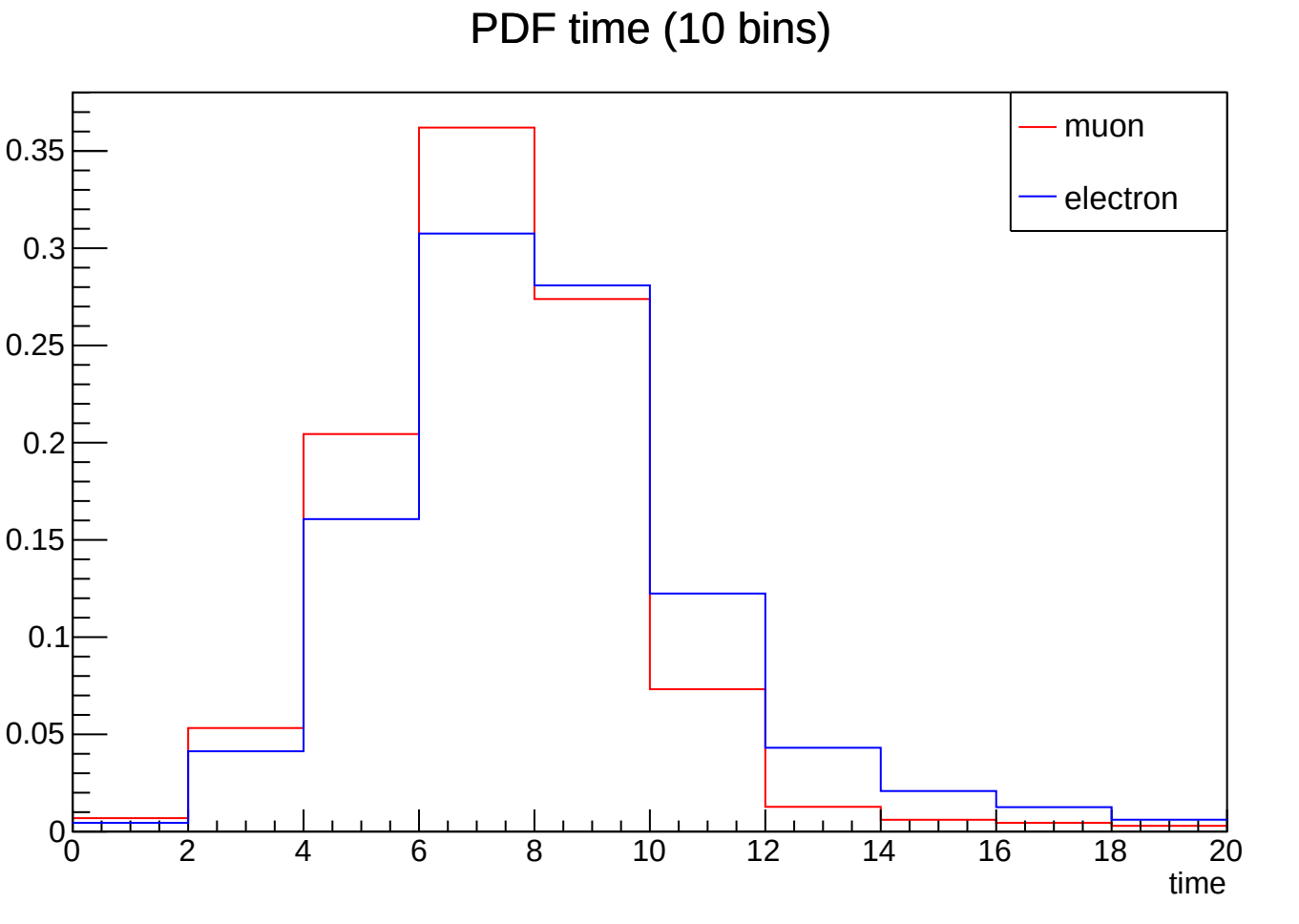
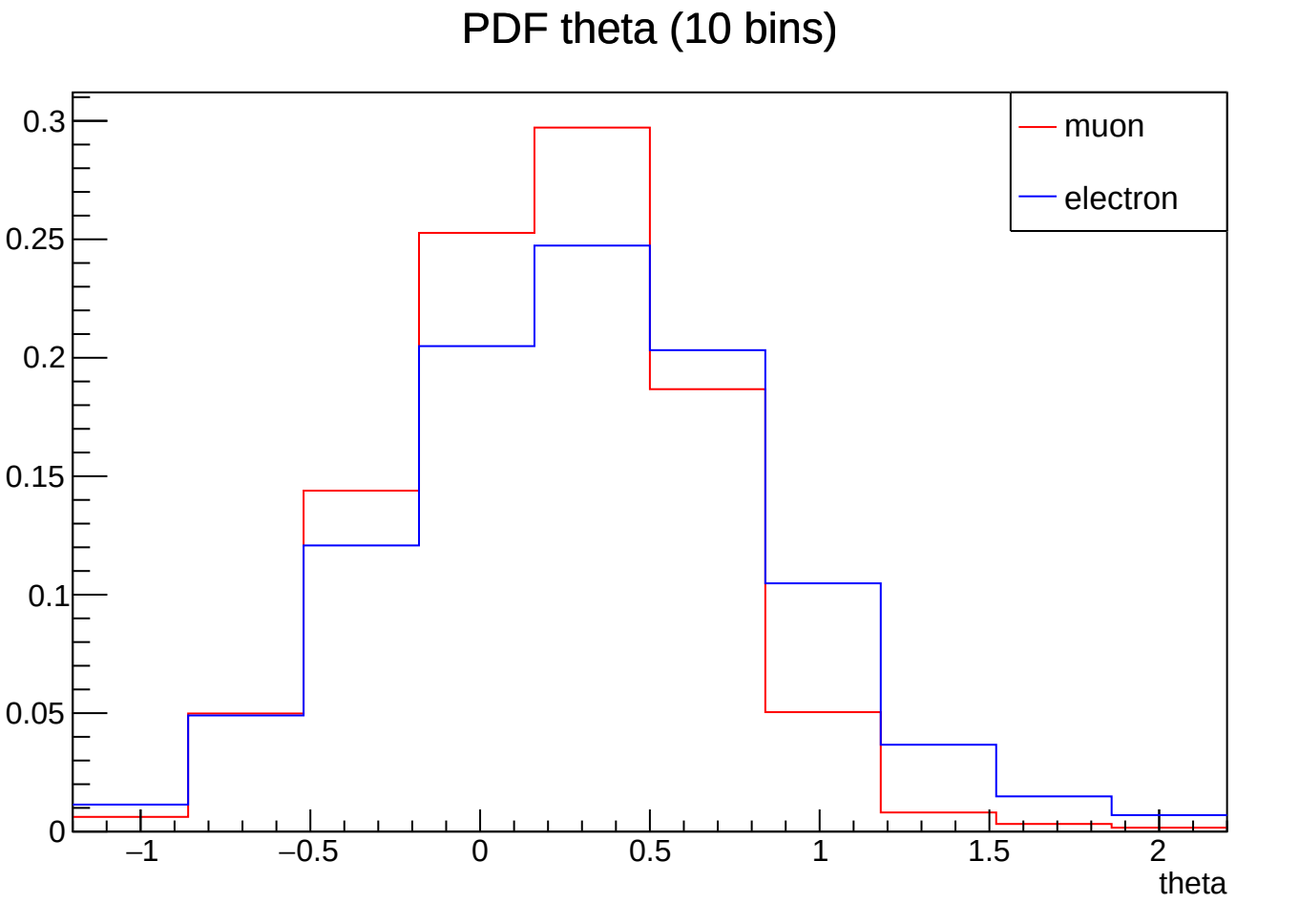
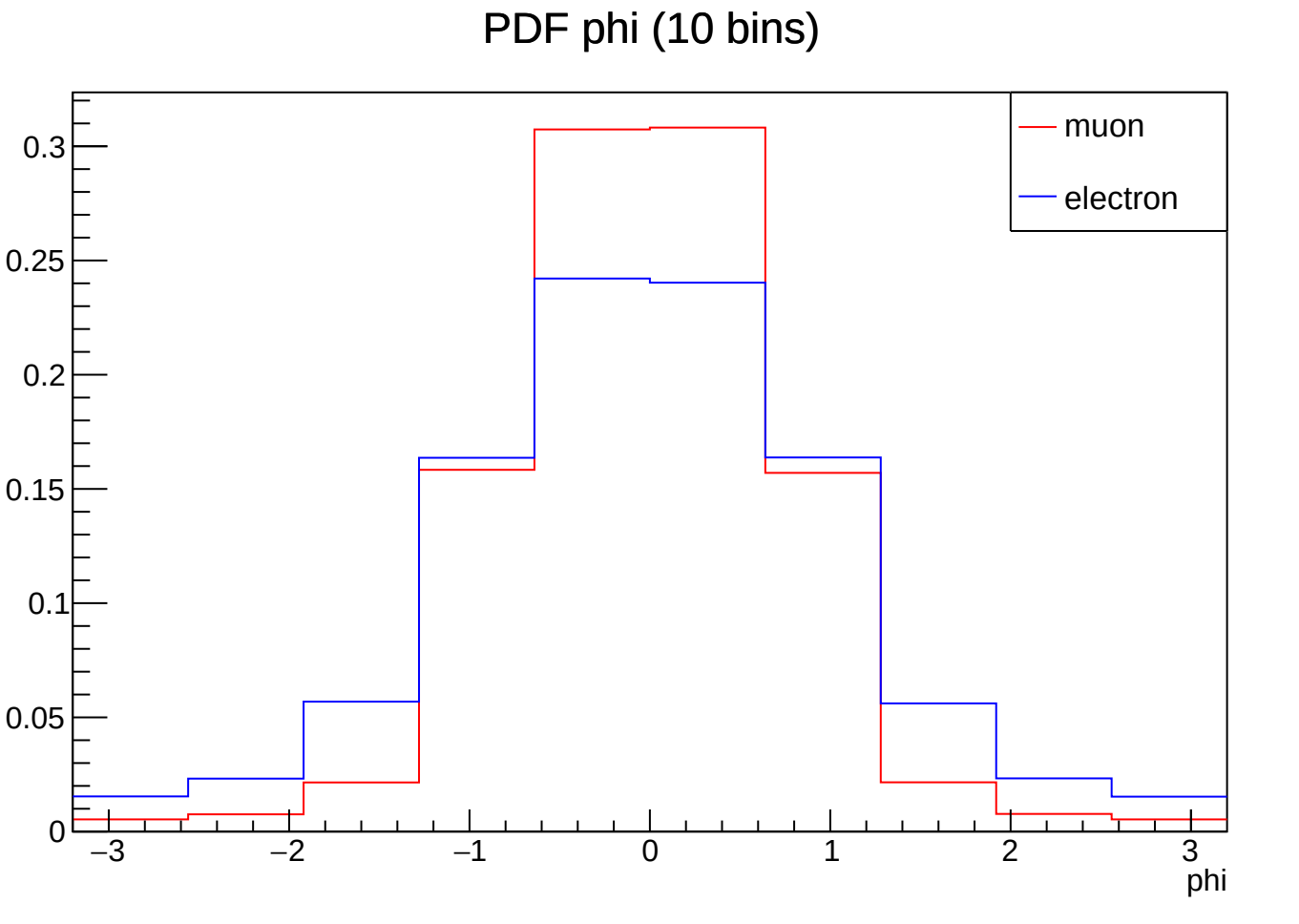
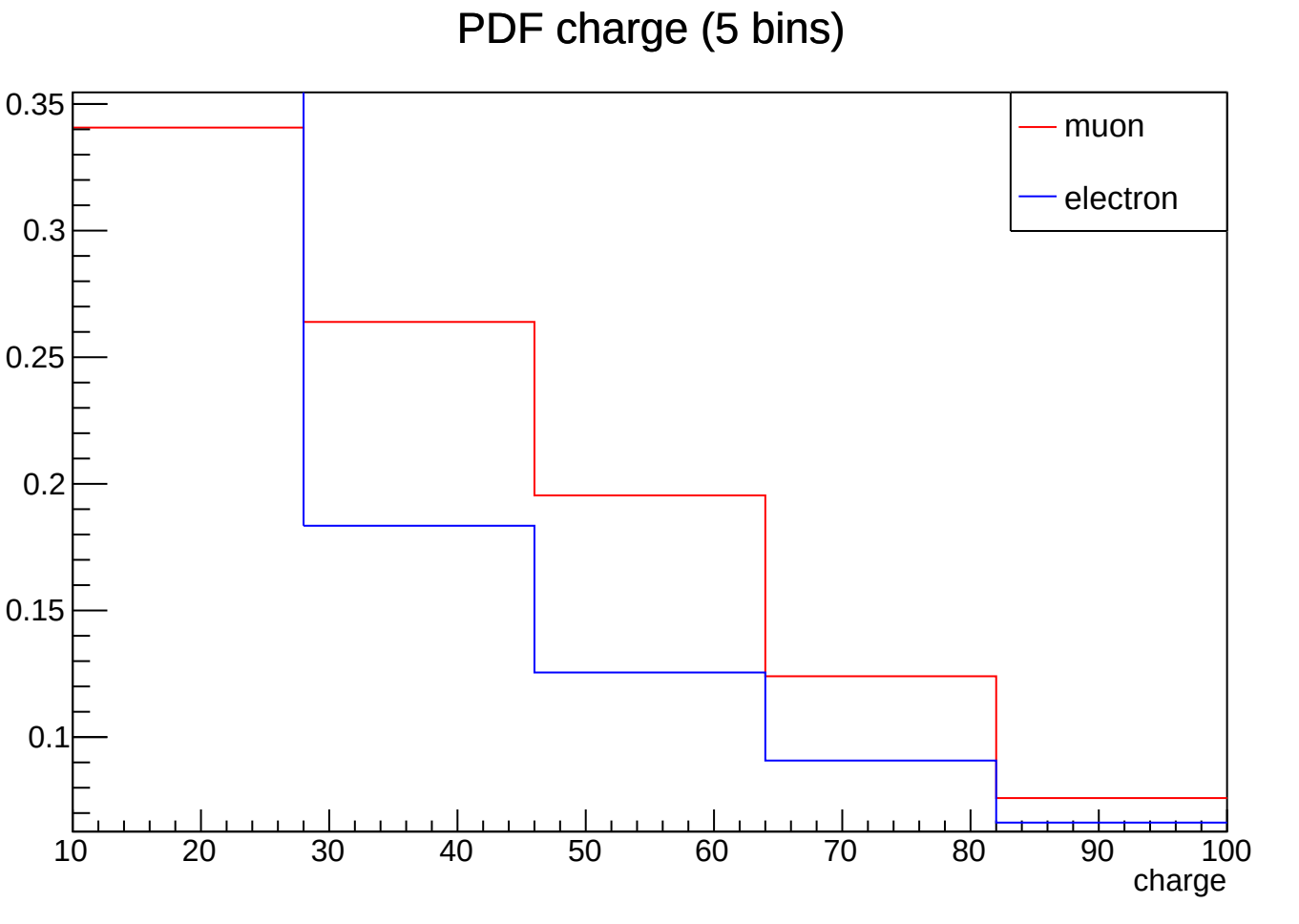
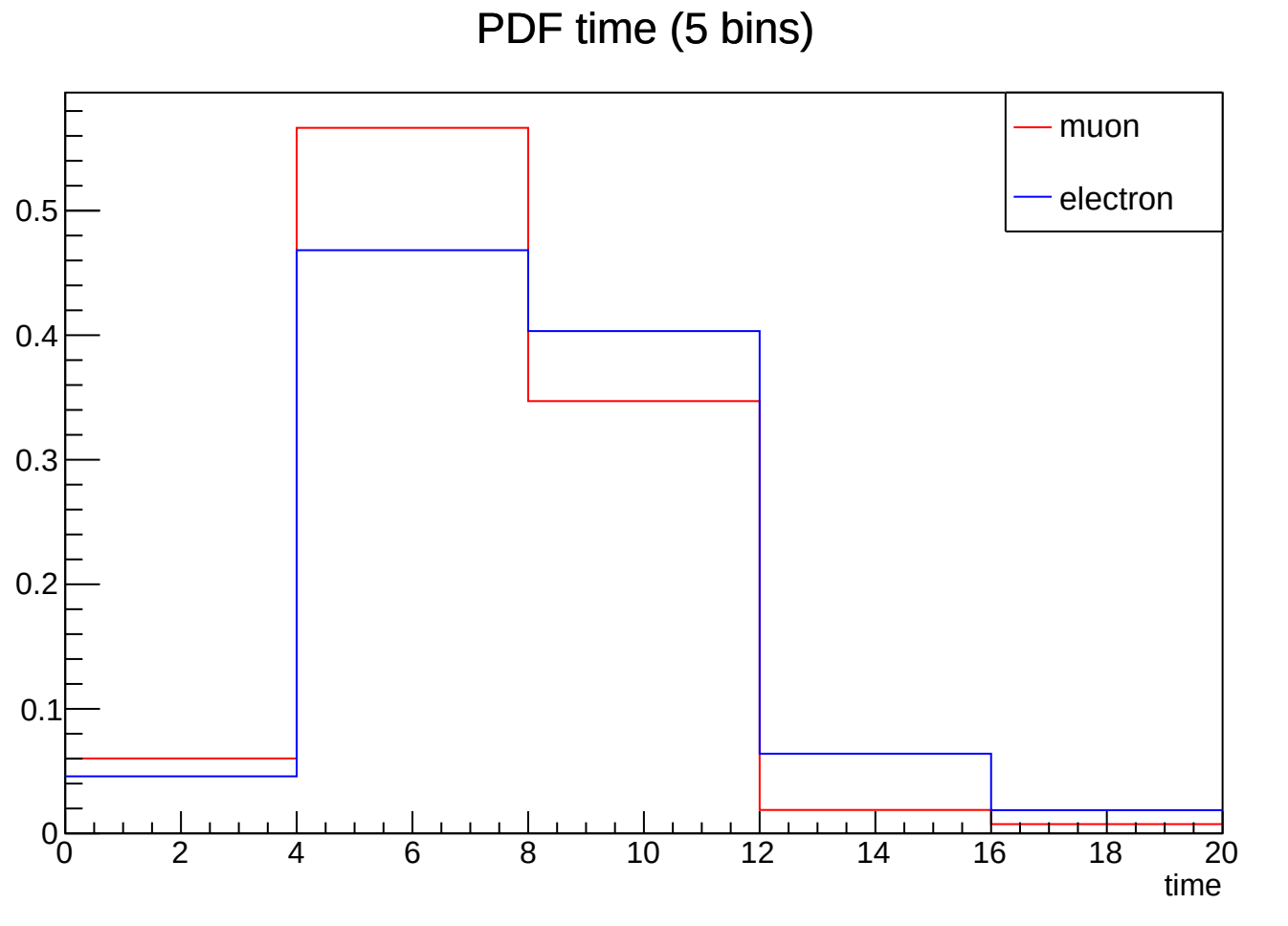
40
50
60
70
80
90
100
charge

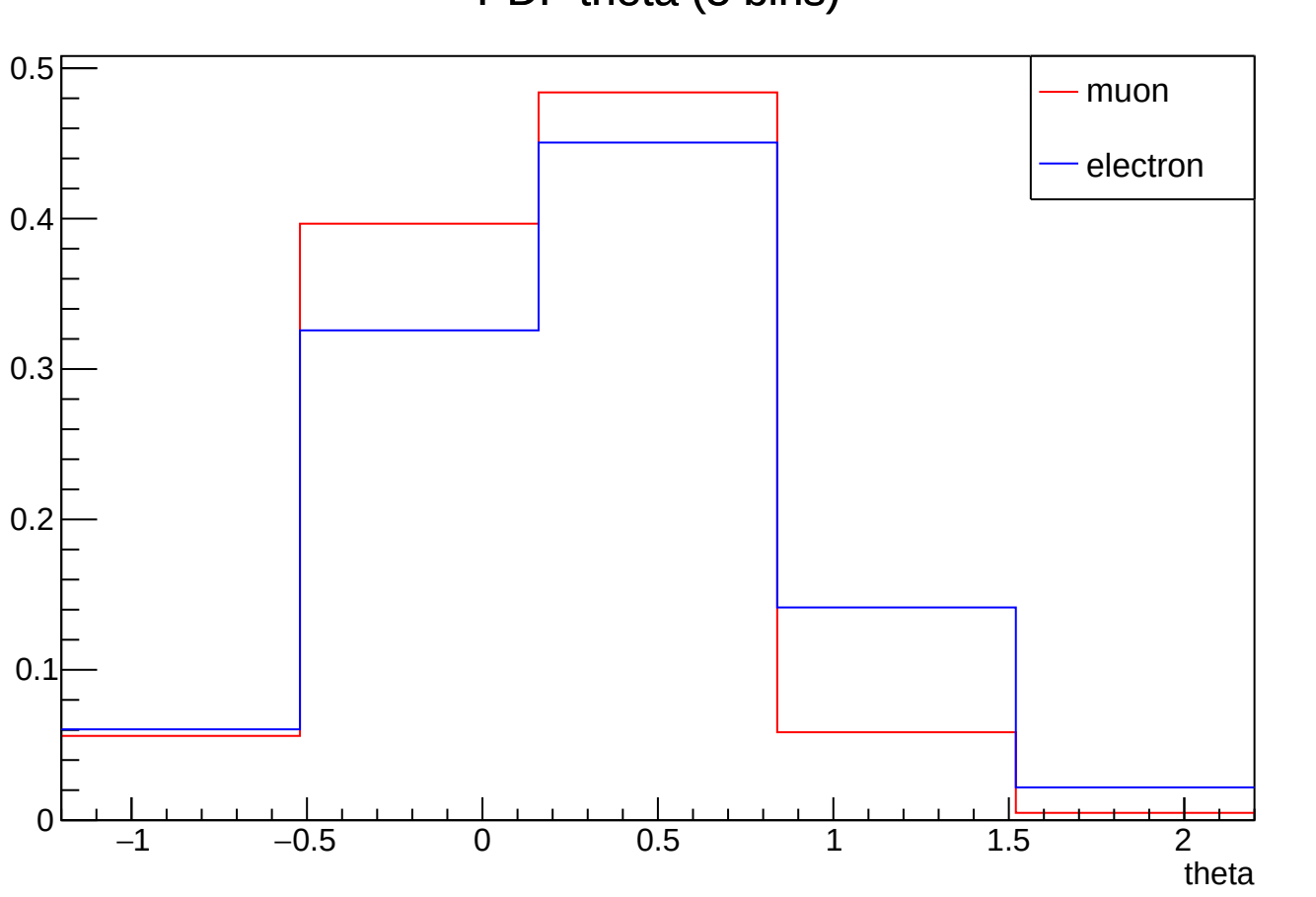

PDF time (10 bins)
muon
electron
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
2
4
6
8
10
12
14
16
18
20
time

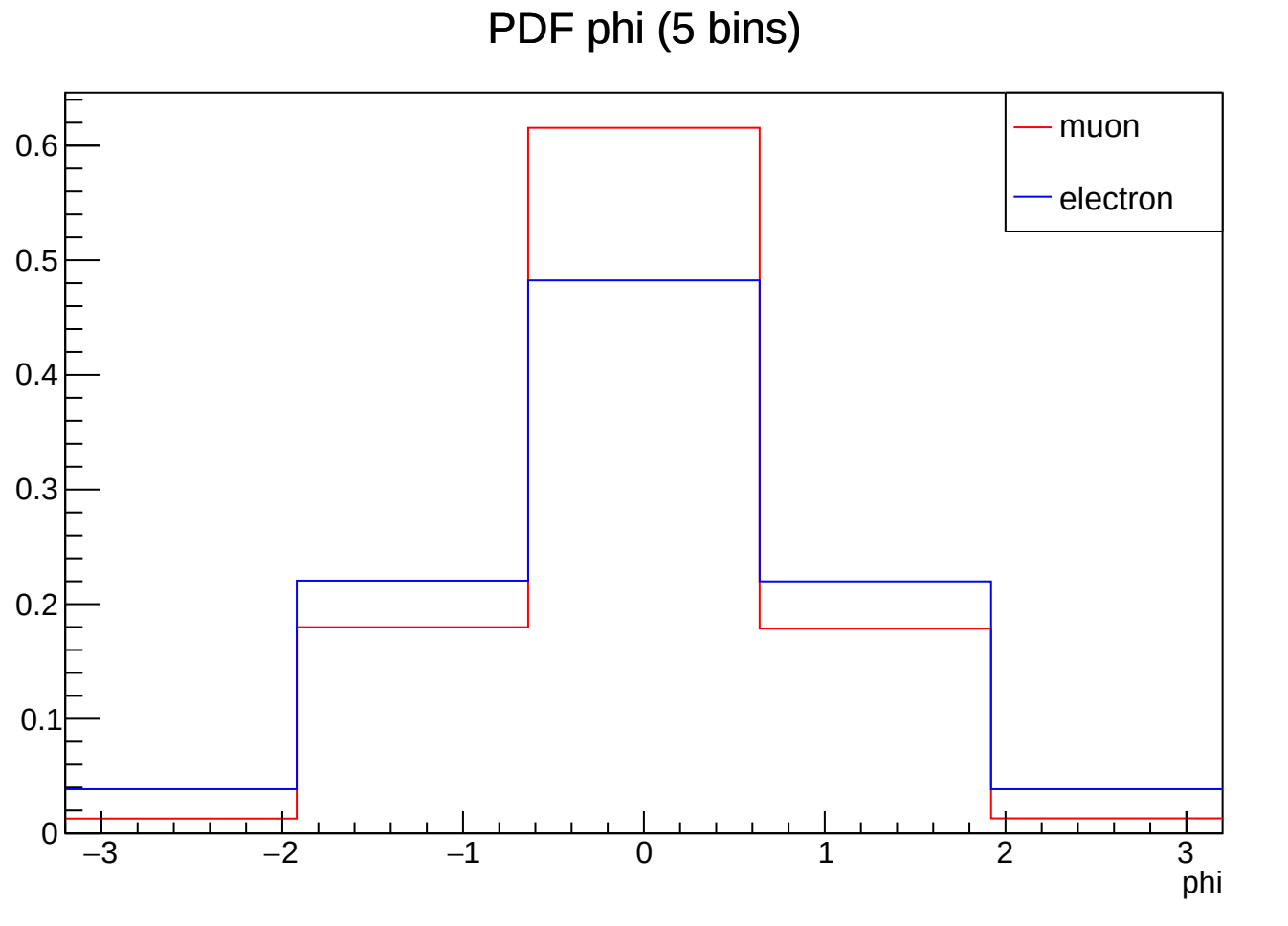

PDF theta (10 bins)
muon
electron
0.3
0.25
0.2
0.15
0.1
0.05
0
–1
–0.5
0
0.5
1
1.5
2
theta


PDF phi (10 bins)
muon
electron
0.3
0.25
0.2
0.15
0.1
0.05
0
−3
−2
−1
0
1
2
3
phi


PDF charge (5 bins)
0.35
0.3
0.25
0.2
0.15
0.1
10
20
30
40
50
60
70
80
90
100
charge
muon
electron


PDF time (5 bins)
muon
electron
0.5
0.4
0.3
0.2
0.1
0
0
2
4
6
8
10
12
14
16
18
20
time


PDF theta (5 bins)
0.5
0.4
0.3
0.2
0.1
0
–1
–0.5
0
0.5
1
1.5
2
theta
muon
electron


PDF phi (5 bins)
muon
electron
0.6
0.5
0.4
0.3
0.2
0.1
0
−3
−2
−1
0
1
2
3
phi